CFD-G500/G500L

SERVICE MANUAL

Ver. 1.1 2004. 11

Photo : CFD-G500

US Model
Canadian Model
E Model
Australian Model
CFD-G500
AEP Model
CFD-G500/G500L
UK Model
CFD-G500L

CD Section	Model Name Using Similar Mechanism	CFD-S250L
	CD Mechanism Type	KSM-213RDP/KSM-213CDP
	Optical Pick-up Type	KSS-213R/KSS-213C
TAPE Section	Model Name Using Similar Mechanism	CFD-S250L
	Tape Transport Mechanism Type	MF-G500

SPECIFICATIONS

CD player section

System
Compact disc digital audio system
Laser diode properties
Material: GaAlAs
Wave length: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 µW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Spindle speed
200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
2
Frequency response
20 - 20 000 Hz +1/–2 dB
Wow and flutter
Below measurable limit

Radio section

Frequency range

CFD-G500	
FM	87.5 - 108 MHz
AM	531 - 1 611 kHz
CFD-G500L	
FM	87.5 - 108 MHz
MW	531 - 1 611 kHz (9 kHz step) 530 - 1 610 kHz (10 kHz step)
LW	153 - 279 kHz

IF
FM: 10.7 MHz
AM/MW/LW: 450 kHz
Aerials
FM: Telescopic aerial
AM/MW/LW: Built-in ferrite bar aerial

Cassette-corder section

Recording system
4-track 2 channel stereo
Fast winding time
Approx. 120 s (sec.) with Sony cassette C-60
Frequency response
TYPE I (normal): 70 - 13 000 Hz

General

Speaker
Full range: 10 cm dia., 3.2 Ω, cone type (2)
Woofer: 10 cm dia., 4 Ω, cone type (1)
Input
LINE IN jack (stereo minijack):
Minimum input level 330 mV
Output
Headphones jack (stereo minijack)
For 16 - 68 Ω impedance headphones
Maximum power output
Full range: 8 W
Woofer: 12 W
Power requirements
For CD radio cassette-corder:
230V AC, 50 Hz
12 V DC, 8 R20 (size D) batteries
For remote control:
3 V DC, 2 R03 (size AAA) batteries
Power consumption
AC 30 W
Battery life
For CD radio cassette-corder:

FM recording	
Sony R20P: approx. 6 h	
Sony alkaline LR20: approx. 18 h	
Tape playback	
Sony R20P: approx. 1.5 h	
Sony alkaline LR20: approx. 6 h	
CD playback	
Sony R20P: approx. 1 h	
Sony alkaline LR20: approx. 4 h	

Dimensions
Approx. 530 × 327 × 241 mm (w/h/d)
(incl. projecting parts)
Mass
Approx. 8 kg (incl. batteries)
Supplied accessory
Mains lead (1)
Remote control (1)

Design and specifications are subject to change without notice.

CD RADIO CASSETTE-CORDER

9-877-730-02
2004K16-1
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Sony Corporation
Personal Audio Company
Published by Sony Engineering Corporation

SONY®

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

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SECTION 1
SERVICING NOTES

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

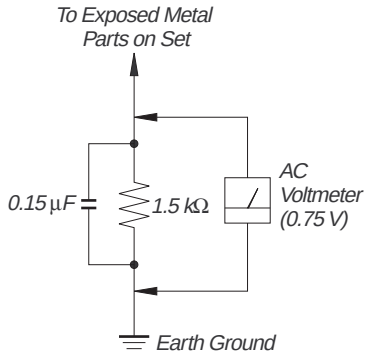


Fig. A. Using an AC voltmeter to check AC leakage.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

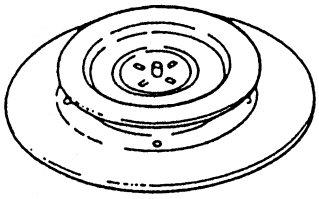
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 30 cm away from the objective lens.

CHUCK PLATE JIG ON REPAIRING

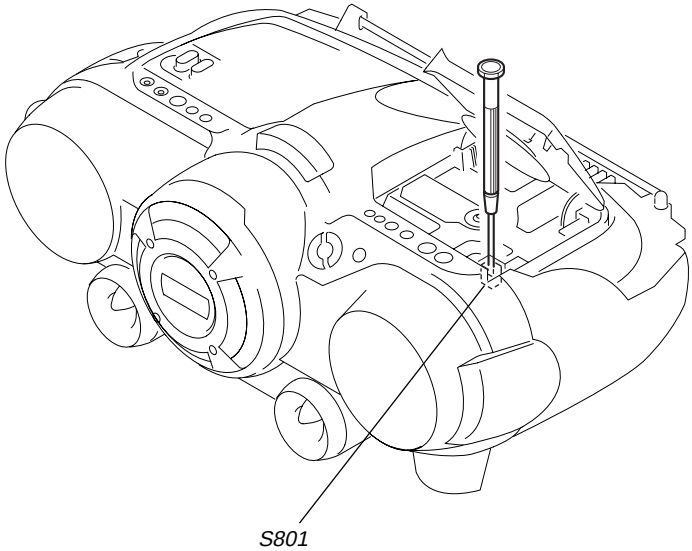
On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

- Code number of Chuck Plate Jig : X-4918-255-1



LASER DIODE AND FOCUS SEARCH OPERATION CHECK

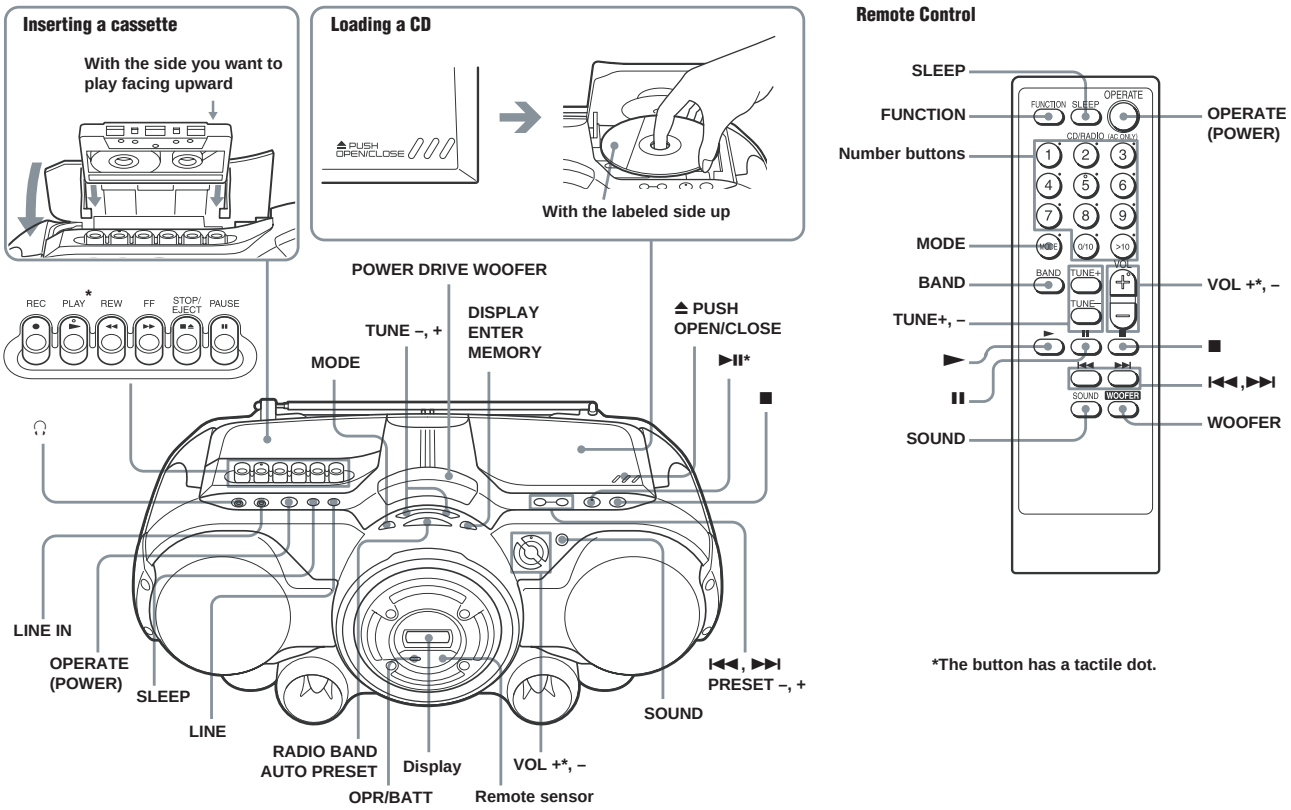
1. Press CD open knob.
2. Open the lid for CD.
3. Push on SWITCH (S801) as following figure.
4. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
   Objective lens moves up and down once for the focus search.



SECTION 2
GENERAL

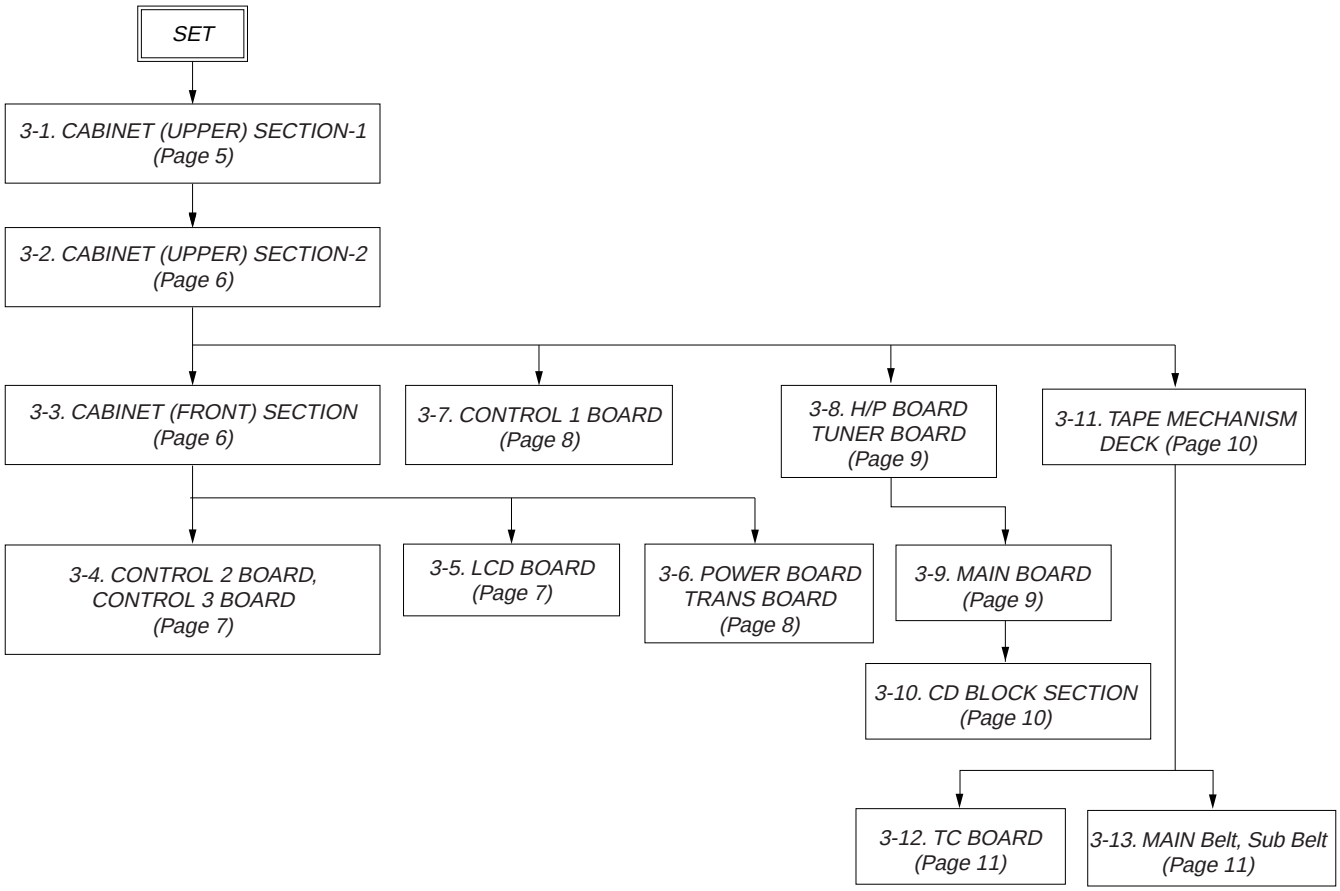
This section is extracted from instruction manual.

Location of controls



SECTION 3
DISASSEMBLY

• This set can be disassembled in the order shown below.


SET
3-1. CABINET (UPPER) SECTION-1 (Page 5)
3-2. CABINET (UPPER) SECTION-2 (Page 6)
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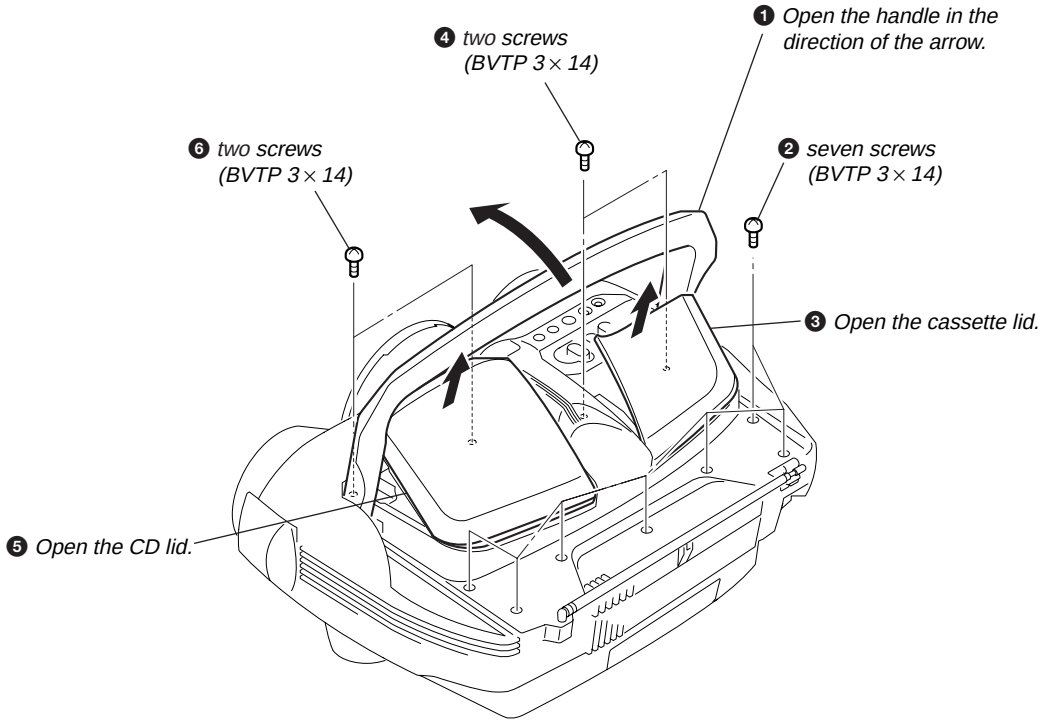
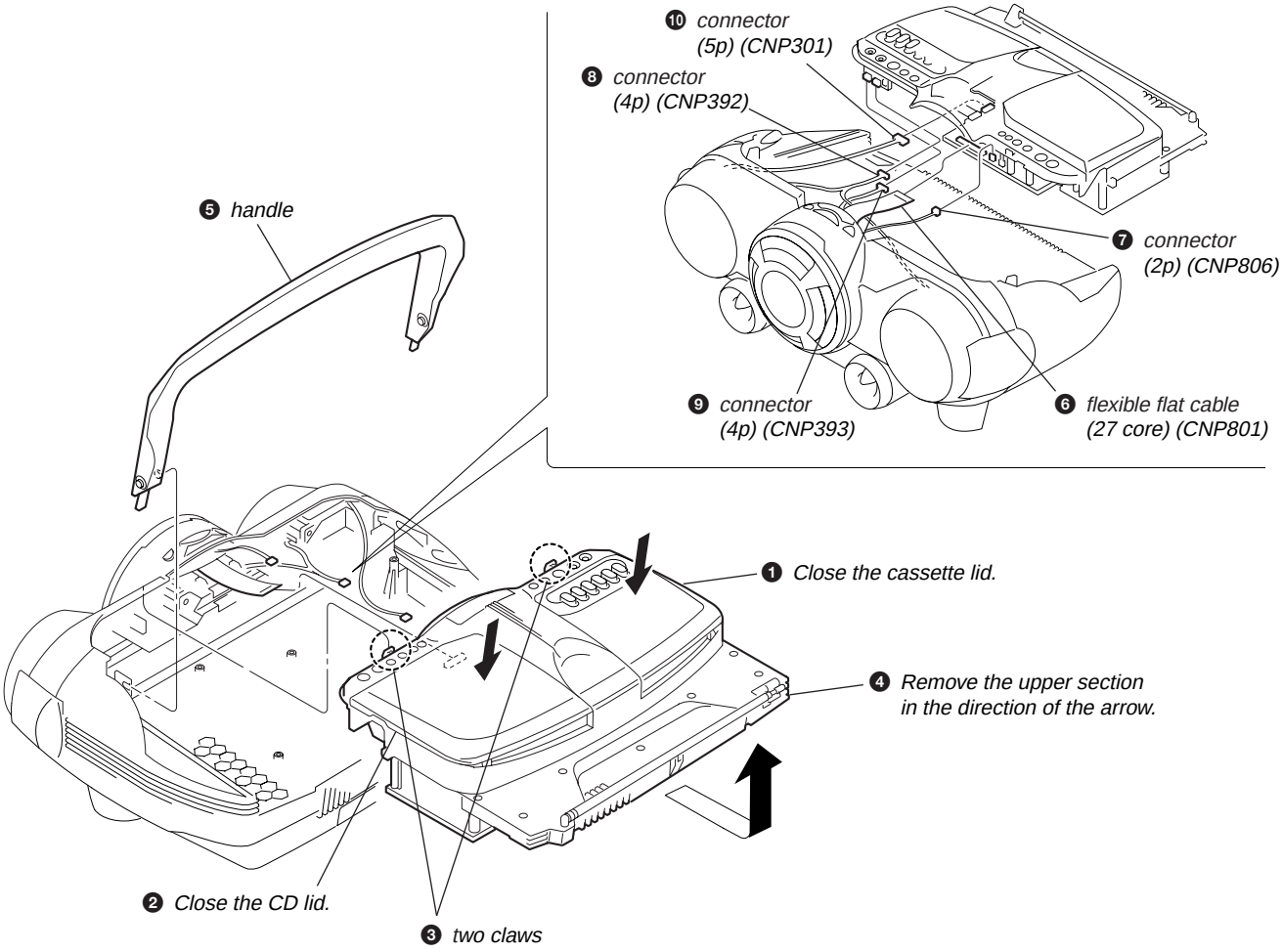
3-11. TAPE MECHANISM DECK (Page 10)
3-4. CONTROL 2 BOARD, CONTROL 3 BOARD (Page 7)
3-5. LCD BOARD (Page 7)
3-6. POWER BOARD TRANS BOARD (Page 8)
3-9. MAIN BOARD (Page 9)
3-10. CD BLOCK SECTION (Page 10)
3-12. TC BOARD (Page 11)
3-13. MAIN Belt, Sub Belt (Page 11)

Note: Follow the disassembly procedure in the numerical order given.

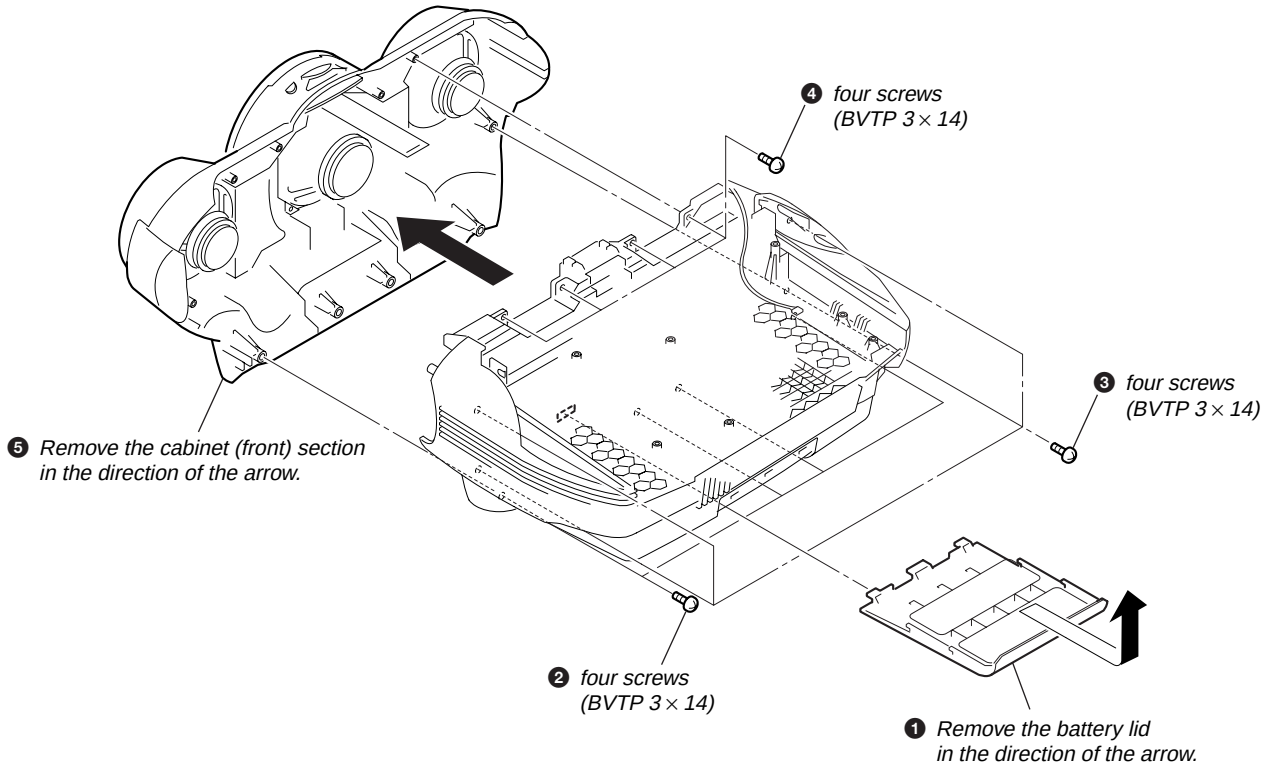
3-1. CABINET (UPPER) SECTION-1


❶ Open the handle in the direction of the arrow.
❹ two screws (BVTP 3 × 14)
❻ two screws (BVTP 3 × 14)
❷ seven screws (BVTP 3 × 14)
❸ Open the cassette lid.
❺ Open the CD lid.

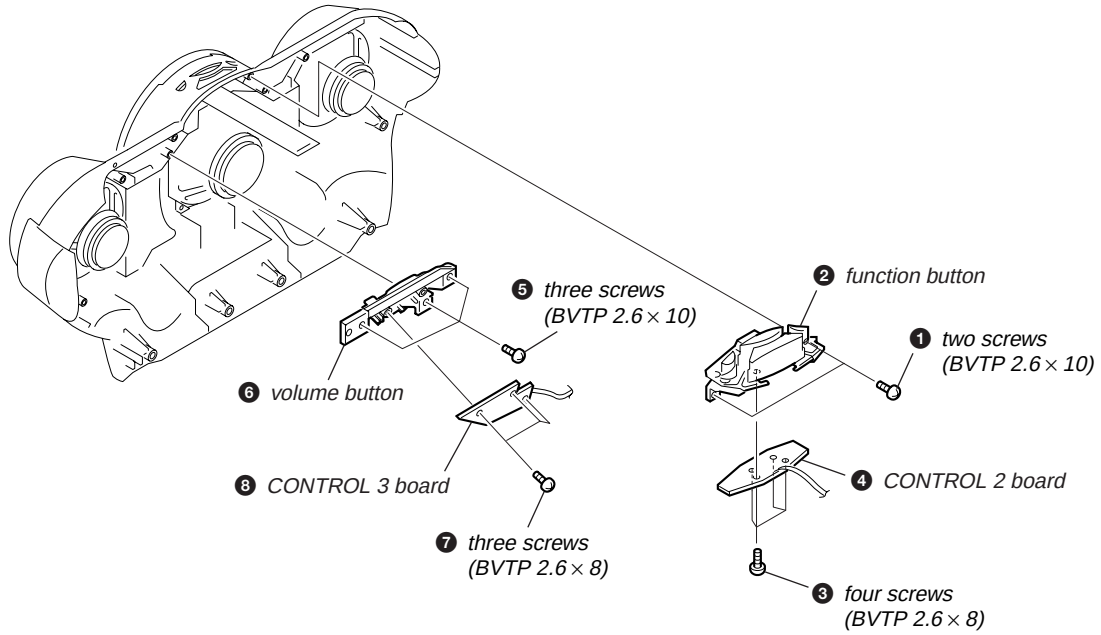
3-2. CABINET (UPPER) SECTION-2



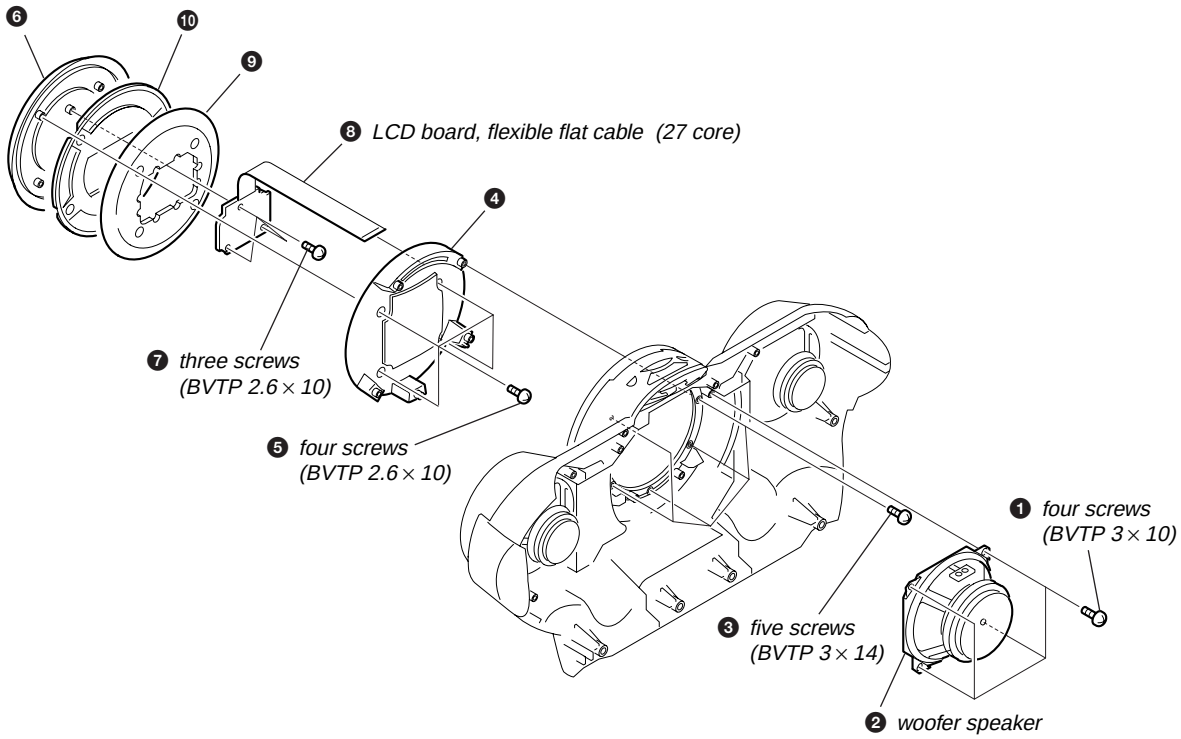
3-3. CABINET (FRONT) SECTION


❹ four screws
(BVTP 3 × 14)
❸ four screws
(BVTP 3 × 14)
❺ Remove the cabinet (front) section
in the direction of the arrow.
❷ four screws
(BVTP 3 × 14)
❶ Remove the battery lid
in the direction of the arrow.

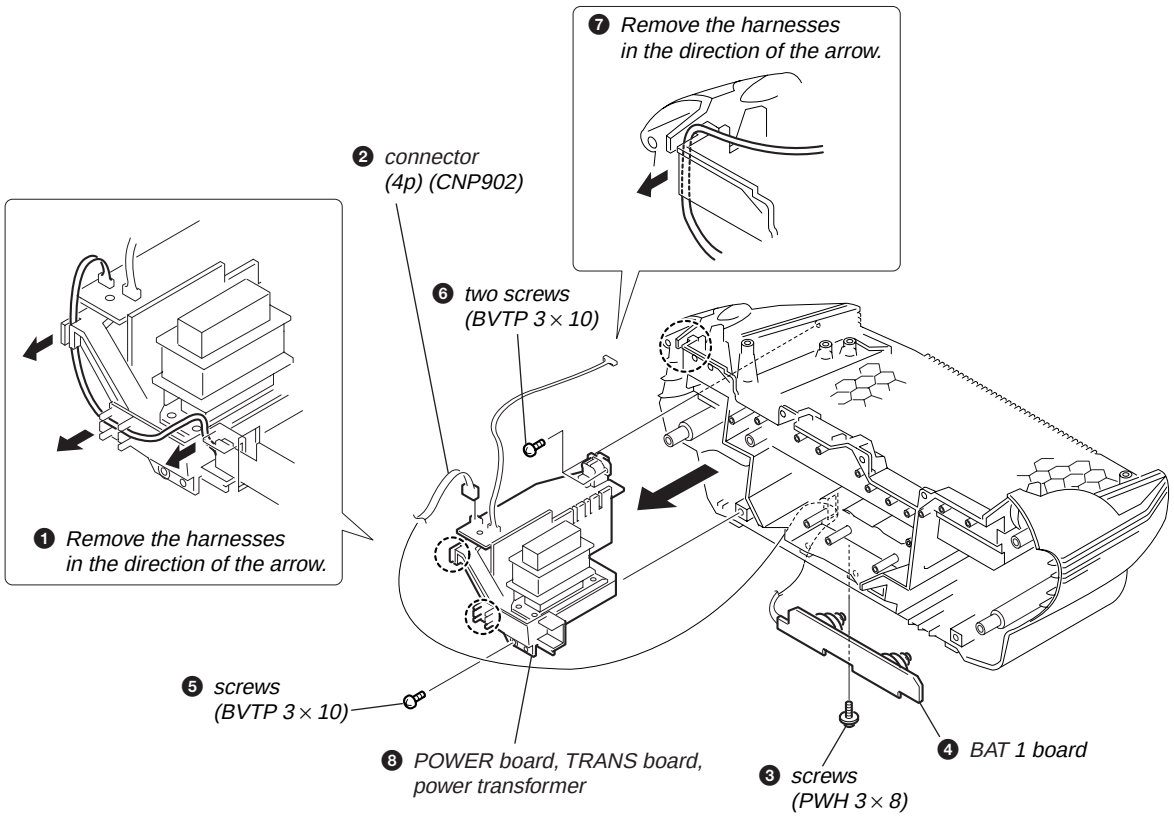
3-4. CONTROL 2 BOARD, CONTROL 3 BOARD



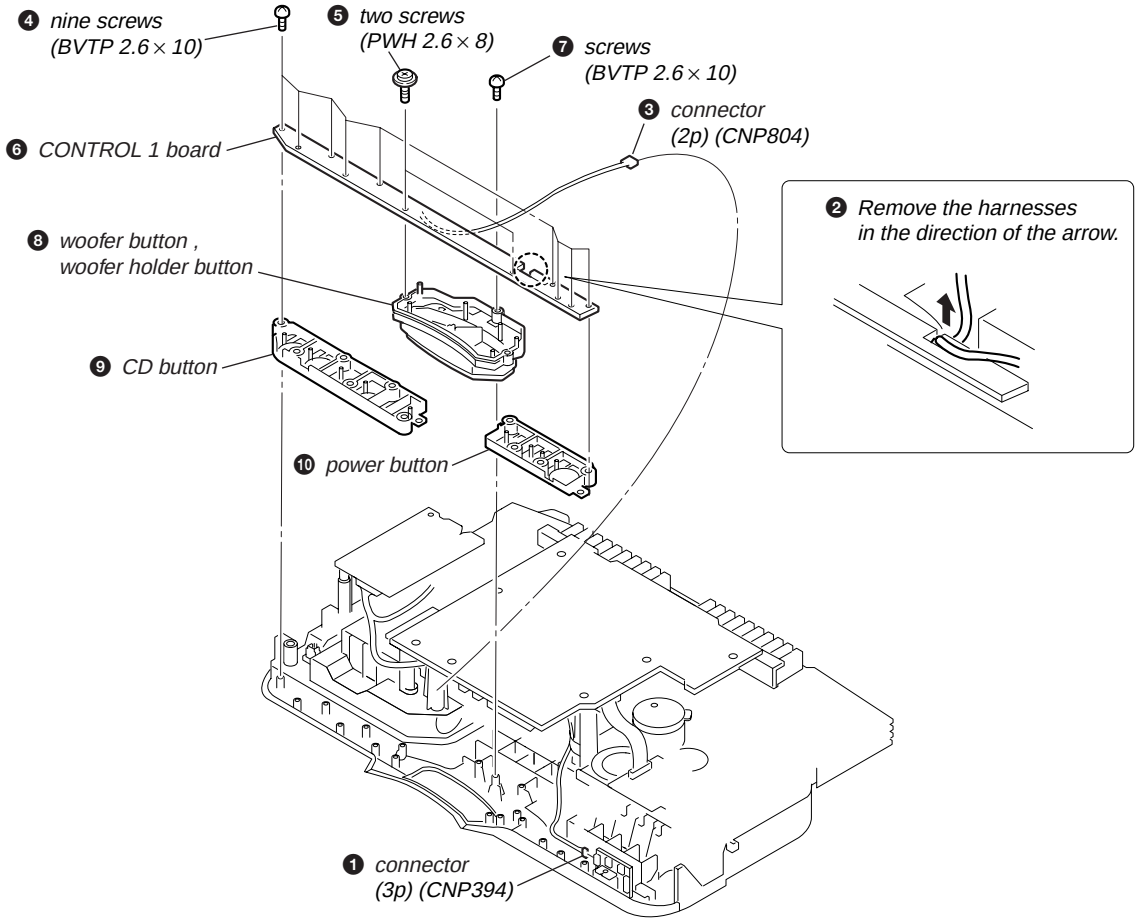
3-5. LCD BOARD



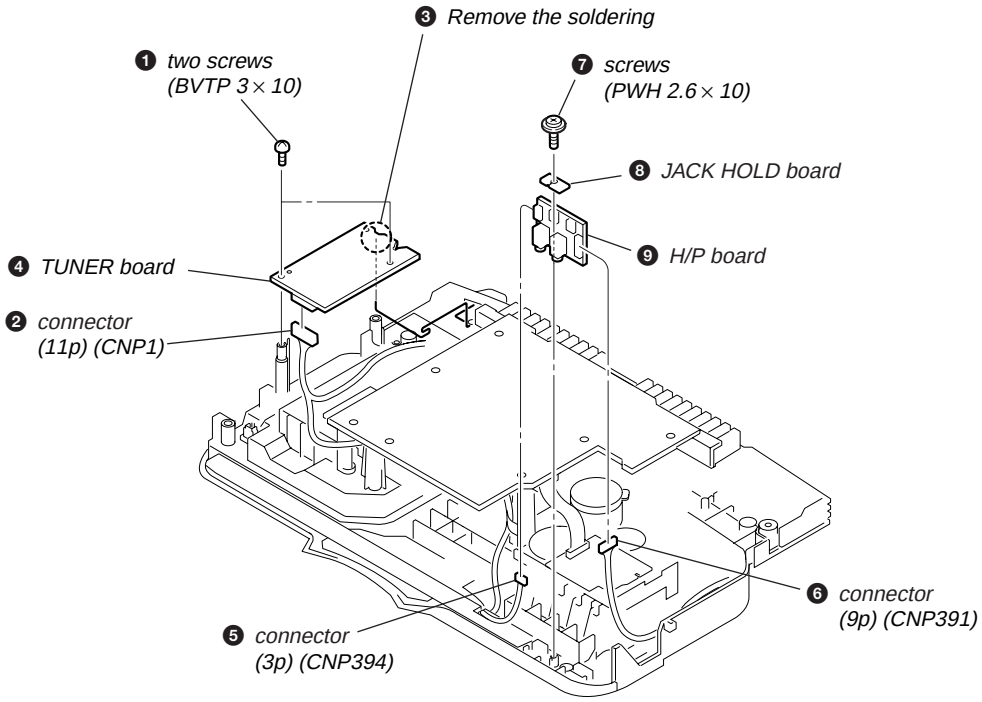
3-6. POWER BOARD, TRANS BOARD


❼ Remove the harnesses in the direction of the arrow.
❷ connector (4p) (CNP902)
❻ two screws (BVTP 3 × 10)
❶ Remove the harnesses in the direction of the arrow.
❺ screws (BVTP 3 × 10)
❽ POWER board, TRANS board, power transformer
❸ screws (PWH 3 × 8)
❹ BAT 1 board

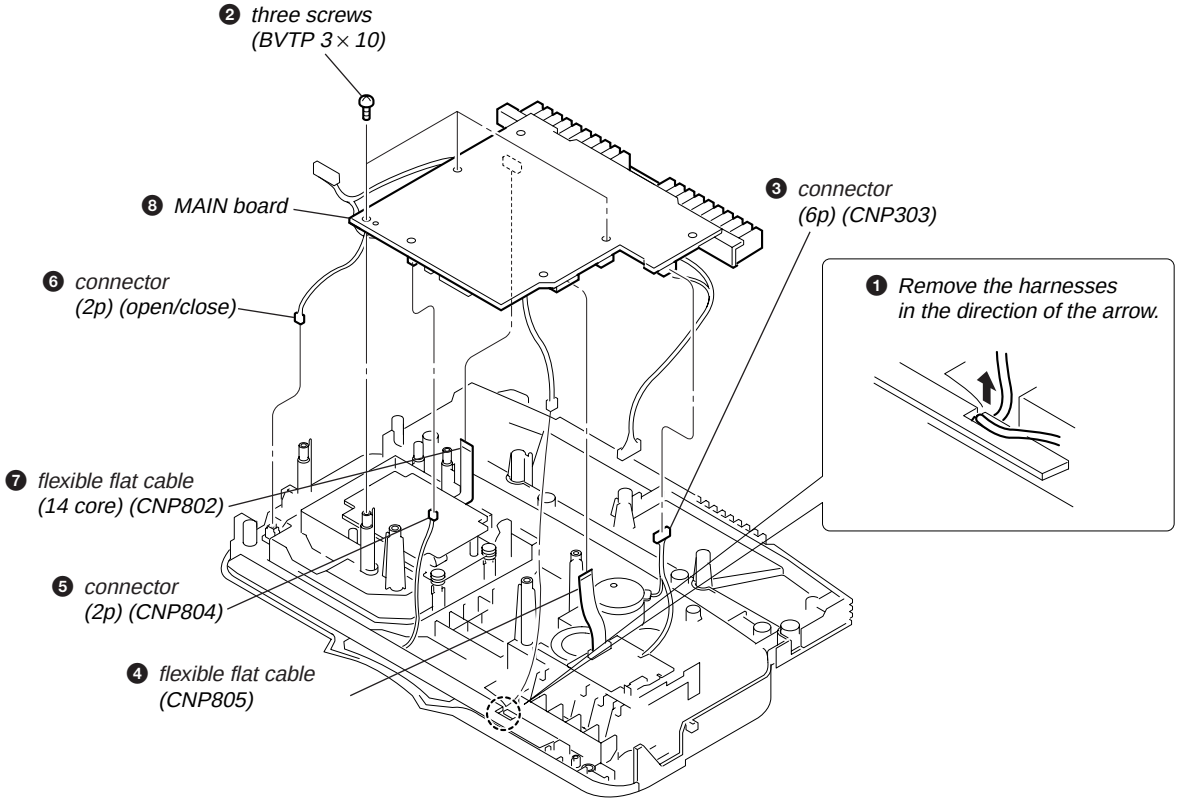
3-7. CONTROL 1 BOARD


❹ nine screws (BVTP 2.6 × 10)
❺ two screws (PWH 2.6 × 8)
❼ screws (BVTP 2.6 × 10)
❸ connector (2p) (CNP804)
❻ CONTROL 1 board
❷ Remove the harnesses in the direction of the arrow.
❽ woofer button , woofer holder button
❾ CD button
❿ power button
❶ connector (3p) (CNP394)

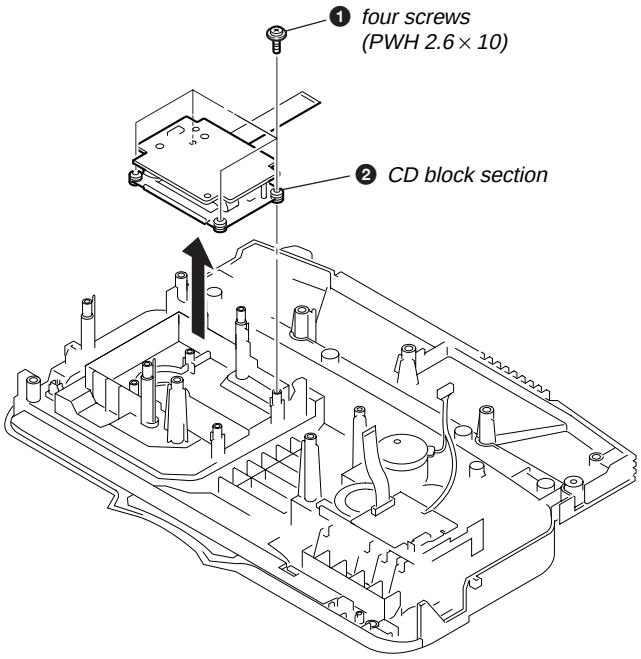
3-8. H/P BOARD, TUNER BOARD



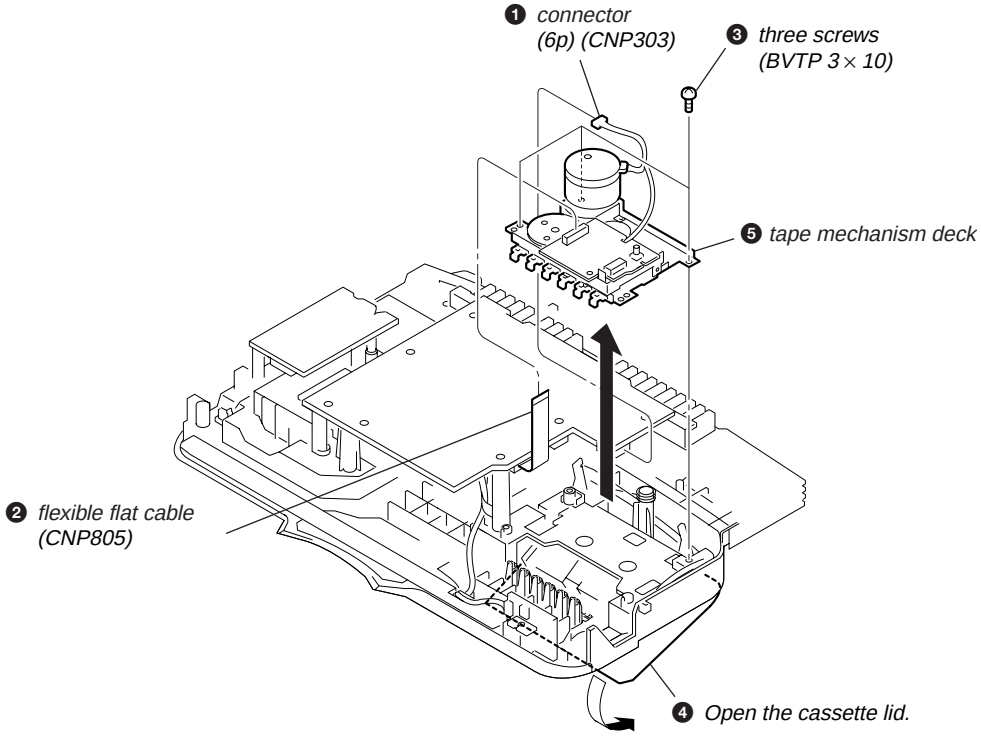
3-9. MAIN BOARD



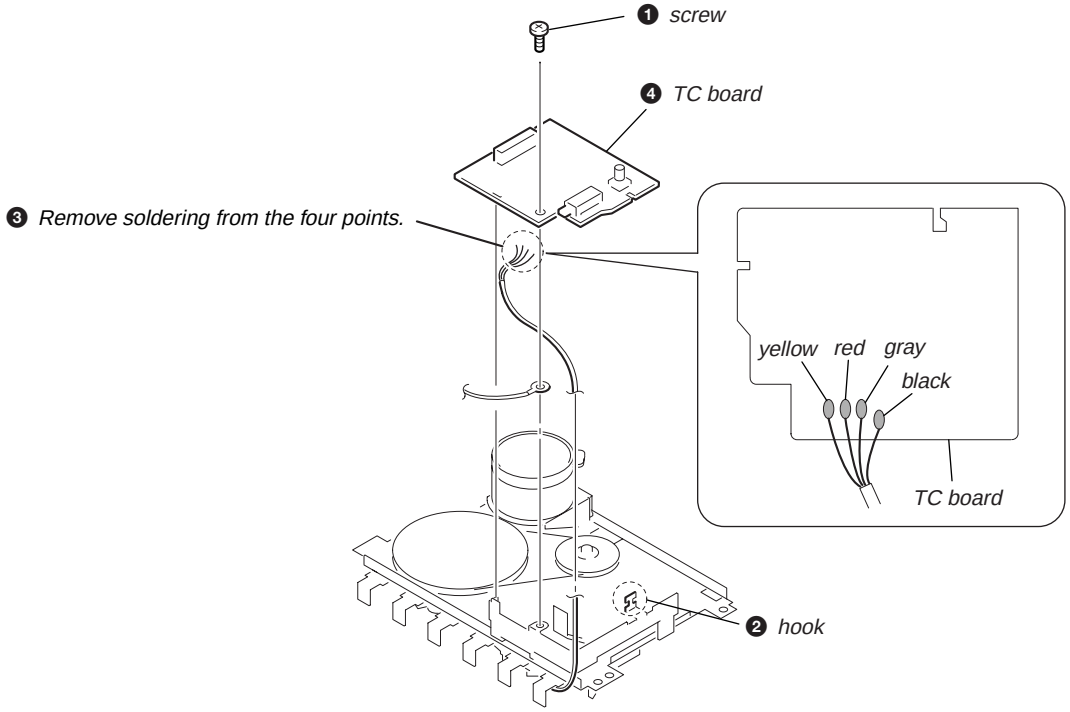
3-10. CD BLOCK SECTION



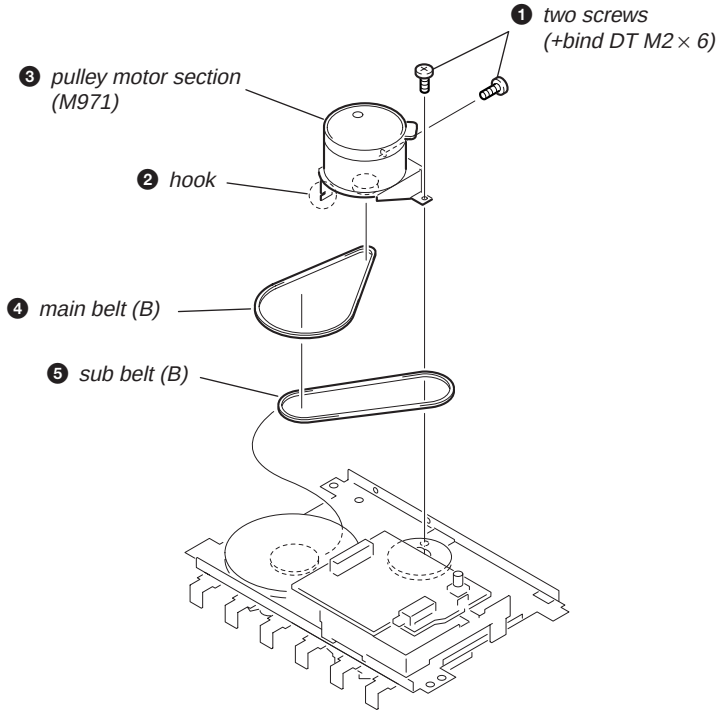
3-11. TAPE MECHANISM DECK



3-12. TC BOARD



3-13. MAIN BELT, SUB BELT



SECTION 4
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
   record/playback head, erase head, capstan, pinch roller, rubber belts, idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head magnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. The adjustments should be performed with the rated power supply voltage (9V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	2.95 – 6.86 mN • m (30 – 70 g • cm) (0.42 – 0.97 oz • inch)
FWD Back Tension	CQ-102C	0.15 – 0.53 mN • m (1.5 – 5.5 g • cm) (0.021 – 0.076 oz • inch)
FF	CQ-201B	more than 5.88 mN • m (more than 60 g • cm) (more than 0.83 oz • inch)
REW	CQ-201B	more than 5.88 mN • m (more than 60 g • cm) (more than 0.83 oz • inch)

Tape Tension Measurement

Mode	Torque meter	Meter reading
FWD	CQ-403A	more than 100 g (more than 3.53 oz)

SECTION 5
ELECTRICAL ADJUSTMENTS

TAPE SECTION | 0 dB = 0.775 V

• Standard Output Level

Output terminal	HP OUT
load impedance	32 Ω
output signal level	0.25 V (–10 dB)

• Test Tape

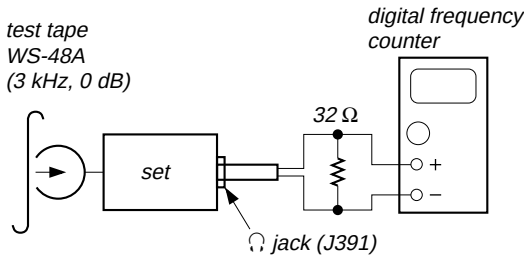
Type	Signal	Used for
WS-48A	3 kHz, 0 dB	tape speed adjustment

Tape Speed Adjustment

Procedure:

Mode: playback

Adjust so that the value on the digital frequency counter is 3,000 Hz.

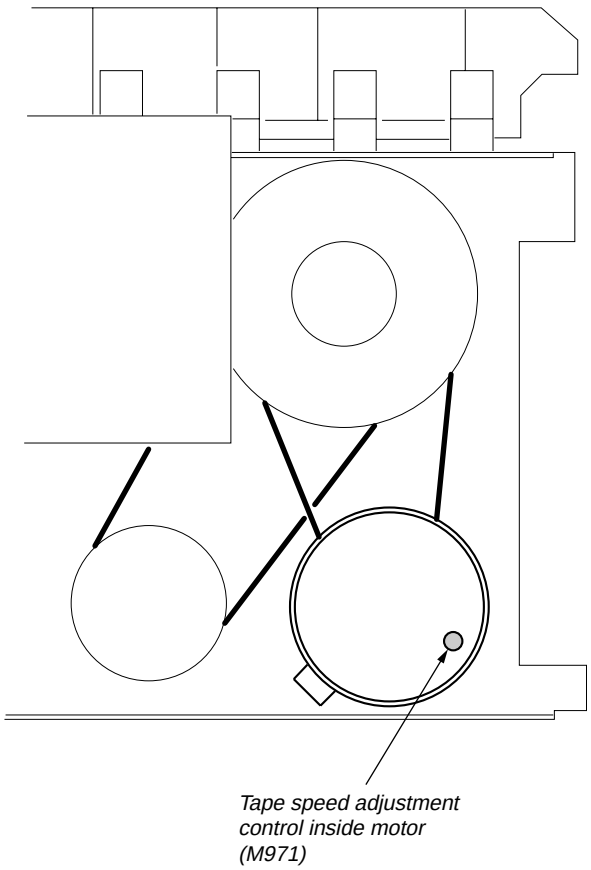


Specification Value:

Digital frequency counter
2,940 to 3,060 Hz

Adjust so that the frequency at the beginning and that at the end of tape winding are between 2,970 to 3,030 Hz.

Adjustment Location:



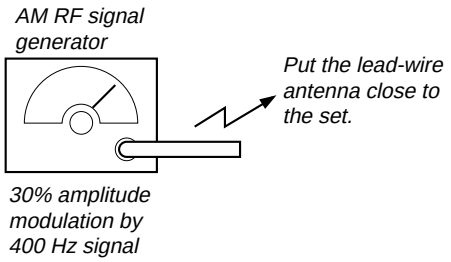
TUNER SECTION

0 dB = 1 µV

• AM Section

Setting:

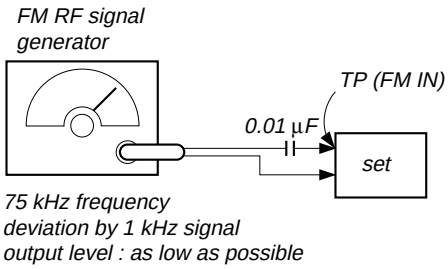
RADIO BAND•AUTO PRESET button: AM, MW or LW



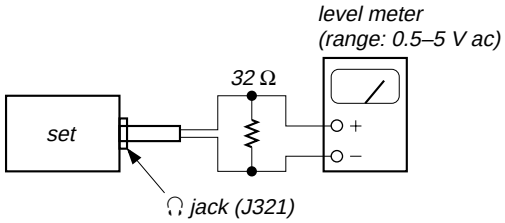
• FM Section

Setting:

RADIO BAND•AUTO PRESET button: FM

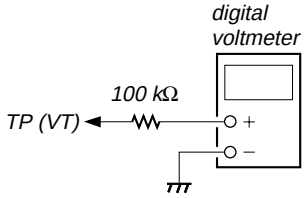


• Connecting Level Meter (FM, AM or MW and LW)



• Connecting Digital Voltmeter (FM, AM or MW and LW)

- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.



AEP, UK, East European, Russian Models

MW IF ADJUSTMENT
Adjust for a maximum reading on level meter.
T1
450 kHz

MW FREQUENCY COVERAGE CHECK		
Frequency Display	531 kHz	1,611 kHz
Reading on Digital voltmeter	1.0 ± 0.5 V	5.2 ± 0.6 V
Adjustment Part	<confirmation>	<confirmation>

MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L3-1	CT3
621 kHz	1,404 kHz

LW FREQUENCY COVERAGE ADJUSTMENT		
Frequency Display	153 kHz	279 kHz
Reading on Digital voltmeter	0.6 ± 0.3 V	5.0 ± 0.1 V
Adjustment Part	<confirmation>	L4

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L3-2	CT5
162 kHz	261 kHz

US, Canadian, E, Singapore, Australian Models

AM IF ADJUSTMENT
Adjust for a maximum reading on level meter.
T1
450 kHz

AM FREQUENCY COVERAGE ADJUSTMENT		
Frequency Display	530 kHz	1,710 kHz
Reading on Digital voltmeter	1.0 ± 0.05 V	5.3 ± 0.7 V
Adjustment Part	L4	<confirmation>

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L3	CT3
620 kHz	1,400 kHz

FM IF ADJUSTMENT
Adjust for a maximum reading on level meter.
T2
10.7 MHz

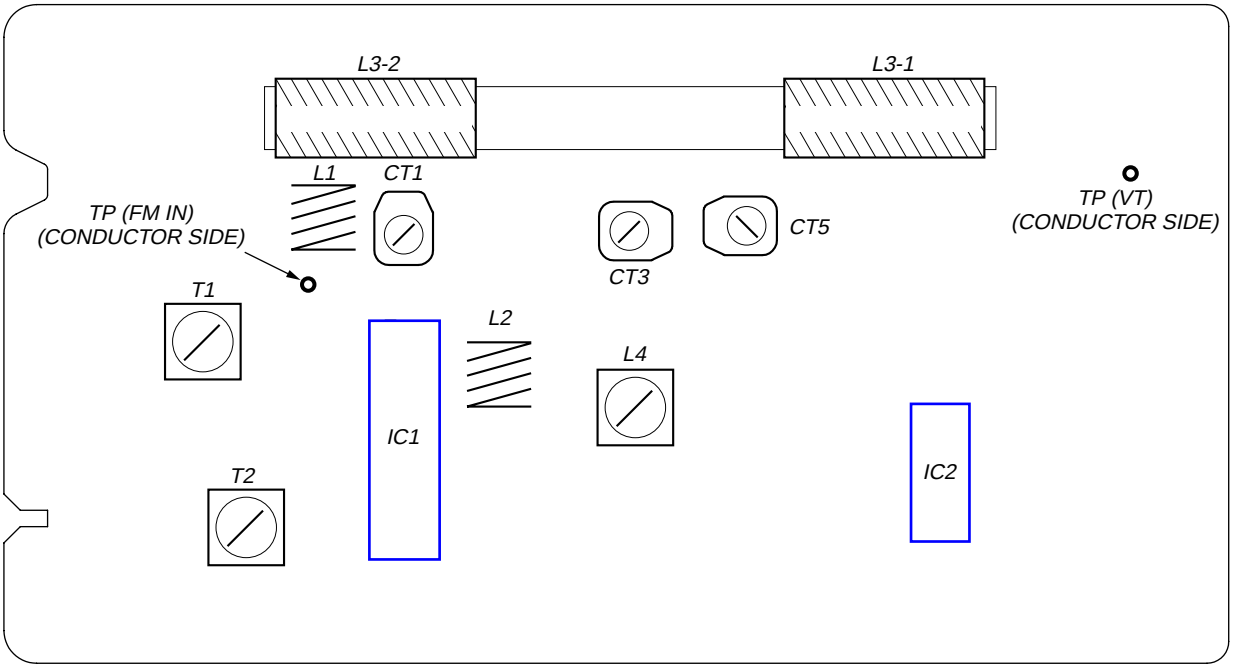
FM FREQUENCY COVERAGE ADJUSTMENT		
Frequency Display	87.5 MHz	108 MHz
Reading on Digital voltmeter	1.3 ± 0.3 V	3.0 ± 0.2 V
Adjustment Part	<confirmation>	L2

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L1	CT1
87.5 MHz	108 MHz

Adjustment Location: See page 14.

Adjustment Location:

– MAIN board (component side) –



CD SECTION

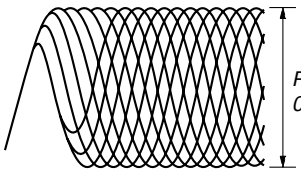
CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

FOCUS BIAS CHECK

1. Connect the oscilloscope between IC701 pin ④ and pin ⑪ (or TP (RF) and TP (VREF)).
2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
3. Press the ►II (CD) button.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.

- RF signal reference waveform (eye pattern)

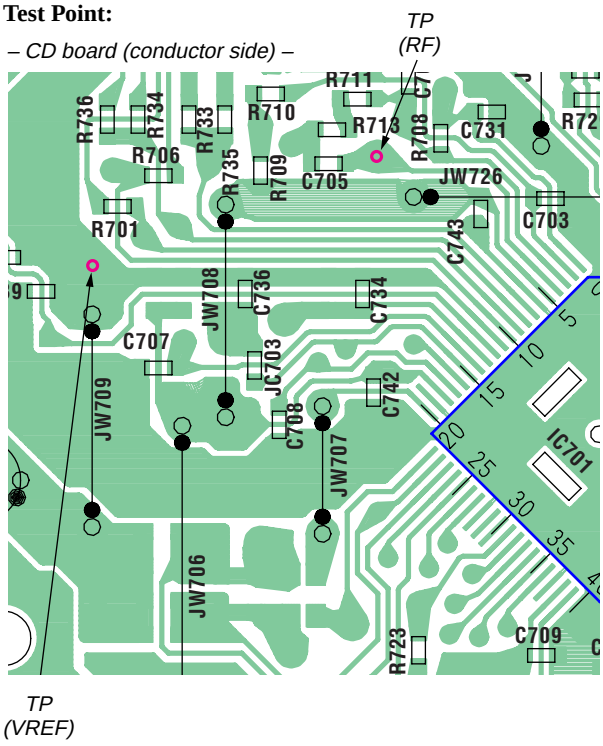
VOLT/DIV : 50 mV (10 : 1 probe in use)
TIME/DIV : 500 nS



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

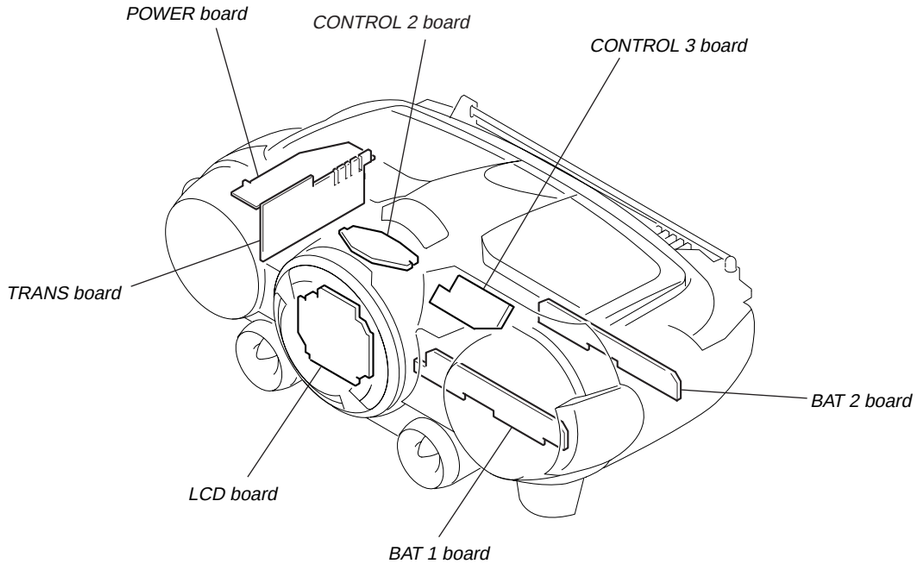
Test Point:

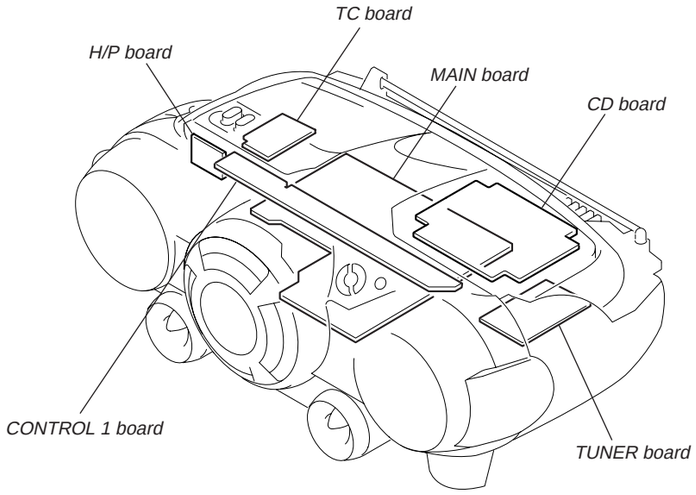
– CD board (conductor side) –



SECTION 6
DIAGRAMS

- **Circuit Boards Location**





THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

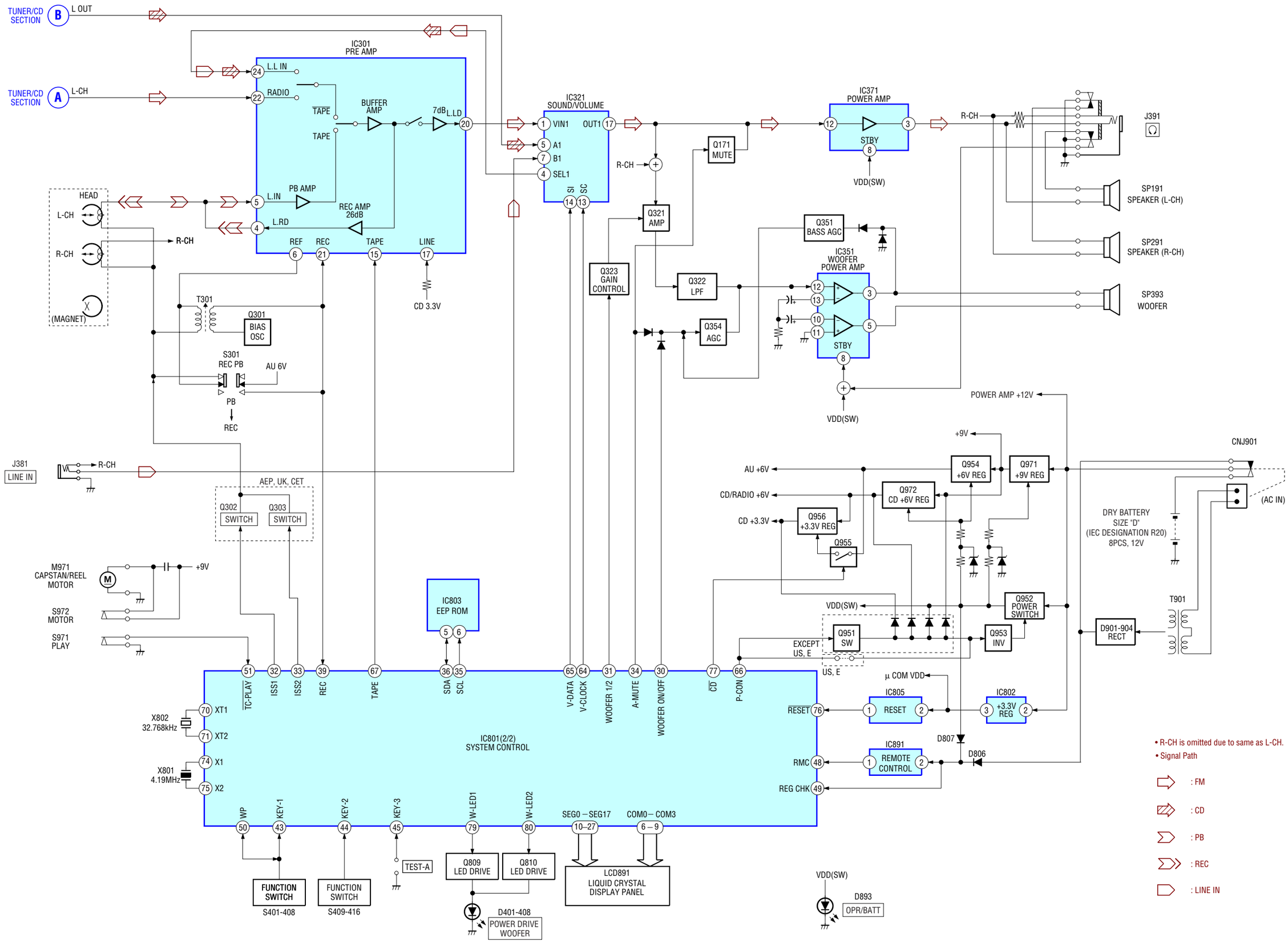
For Printed Wiring Boards.
Note:
- ⟜ : parts extracted from the component side.
- △ : internal component.
- ▬ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

For Schematic Diagrams.
Note:
- All capacitors are in µF unless otherwise noted. pF: µµF. 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.

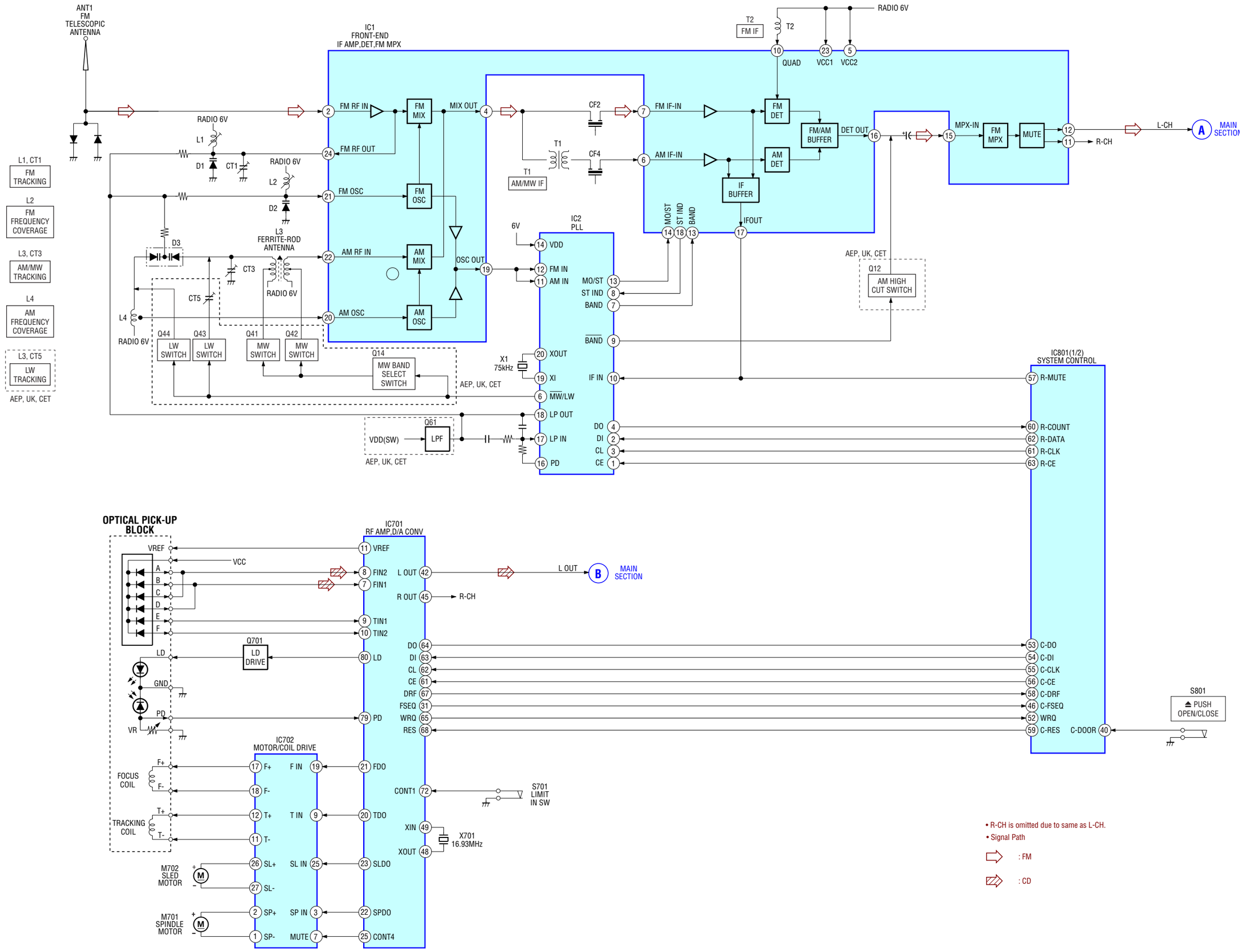
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- : panel designation.
- : B+ Line.
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is dc 12 V and fed with regulated dc power supply from battery terminal.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : AM
  : PB
  : REC
  : CD
  : LINE IN
- Abbreviation
  AUS : Australian model.
  CND : Canadian model.
  SP : Singapore model.
  CET : East European and Russian models.

6-1. BLOCK DIAGRAMS — MAIN SECTION —

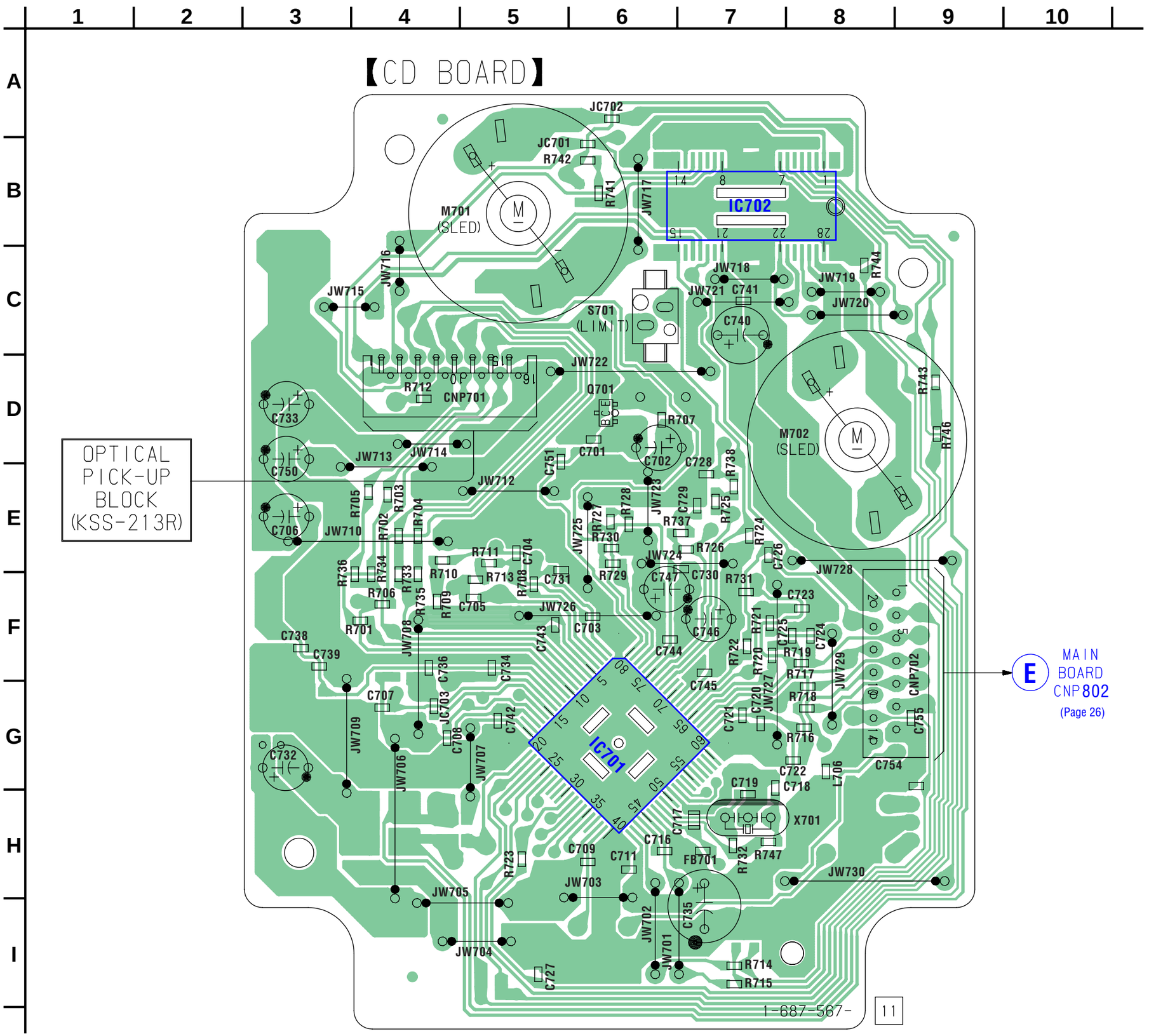


— TUNER/CD SECTION —



6-2. PRINTED WIRING BOARD — CD SECTION —

• Refer to page 15 for Circuit Boards Location.

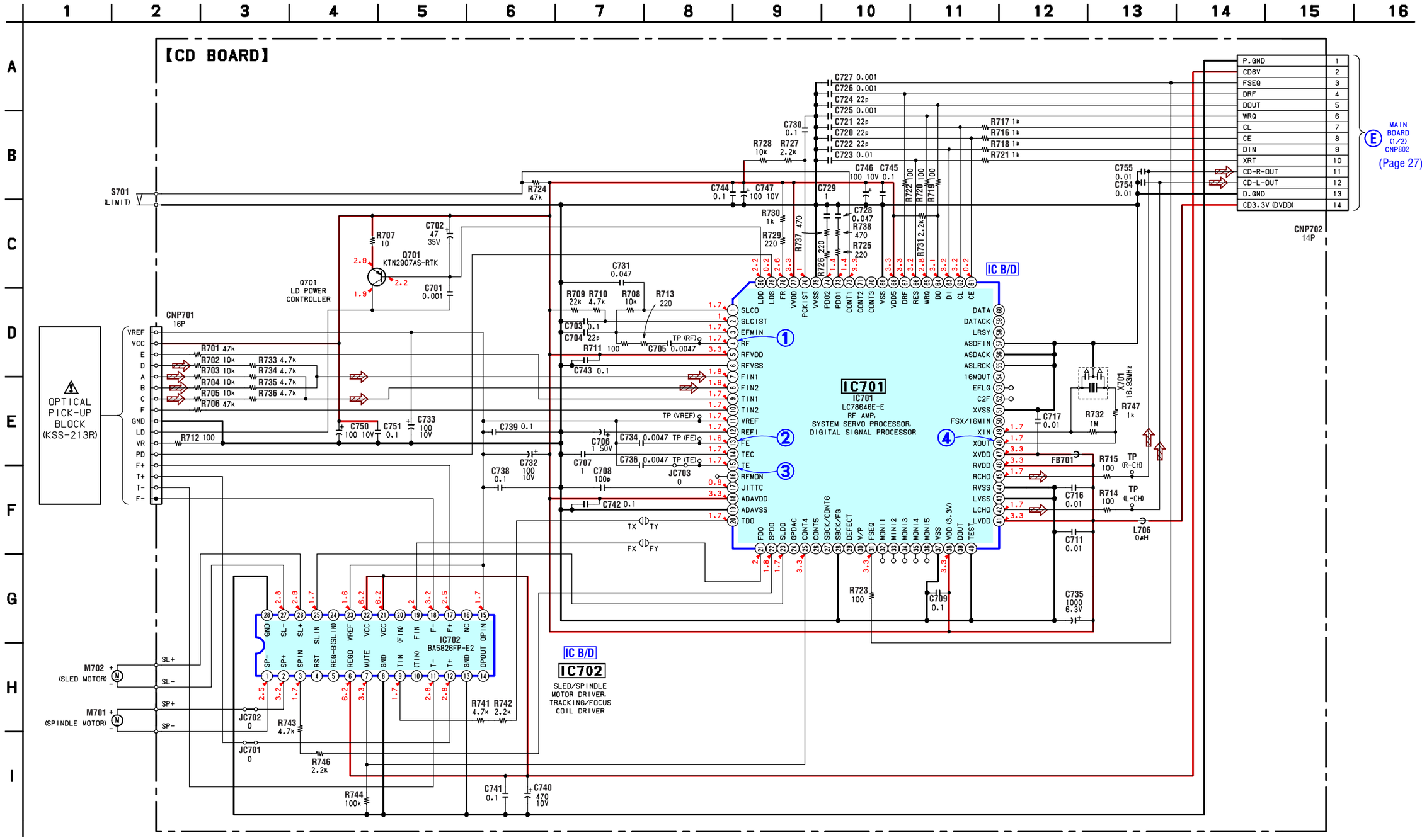


• **Semiconductor Location**

Ref. No.	Location
IC701	G-6
IC702	B-7
Q701	D-6

6-3. SCHEMATIC DIAGRAM — CD SECTION —

• Refer to page 32 for IC Block Diagrams.



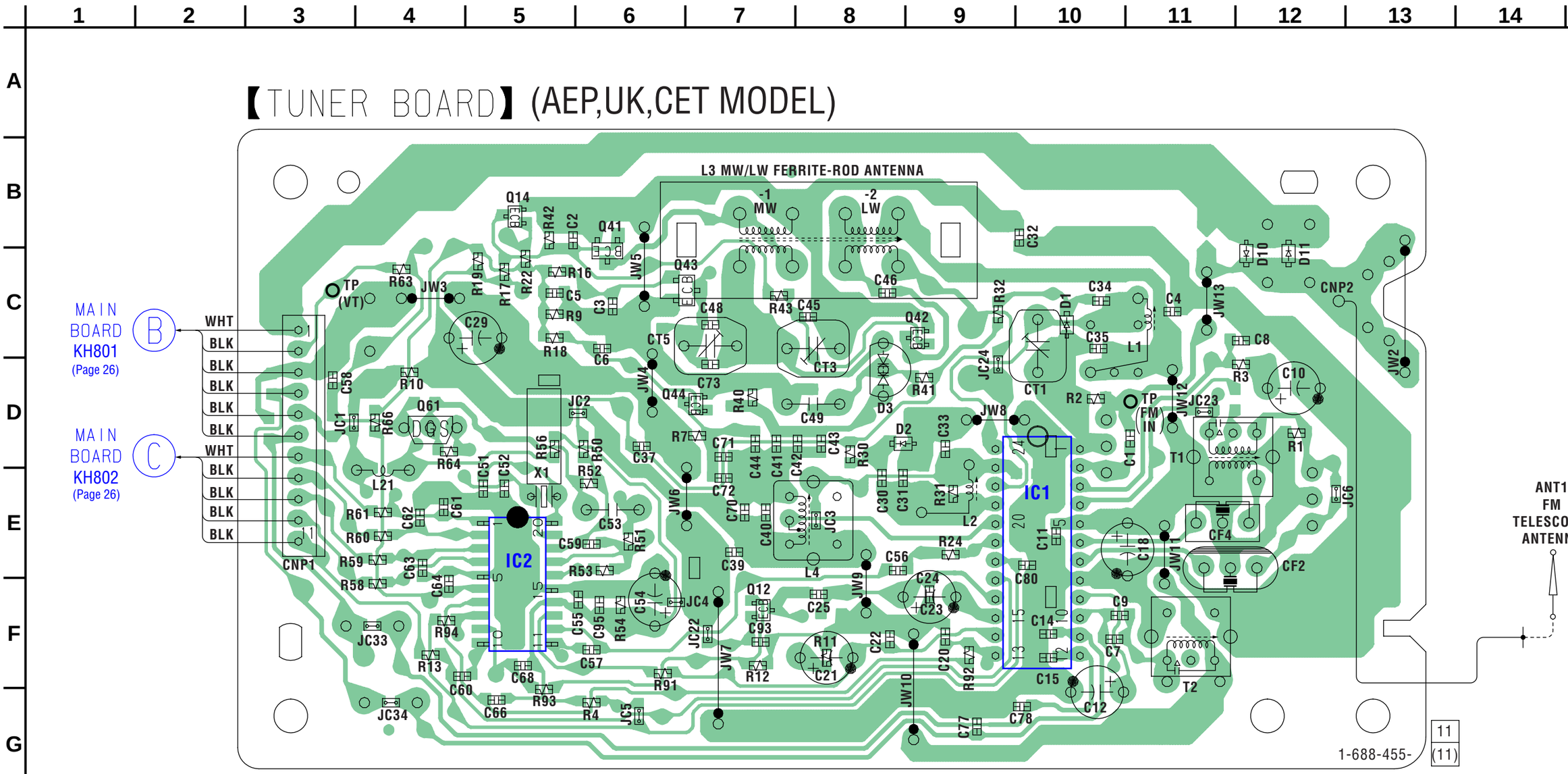
• Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : CD PLAY

• **Waveforms** (Mode: PLAY)

① IC701 ④ (RF)	② IC701 ⑬ (FE)	③ IC701 ⑮ (TE)	④ IC701 ㊽ (XOUT)
0.85 ± 0.2 Vp-p 500 mV/div 0.5 µsec/div	1.8 V Approx. 100 mVp-p 100 mV/div 20 µsec/div	1.8 V Approx. 100 mVp-p 100 mV/div 20 µsec/div	16.93 MHz 3.2 Vp-p 1 V/div 0.05 µsec/div

6-4. PRINTED WIRING BOARD — TUNER SECTION (AEP, UK, CET MODEL) —

• Refer to page 15 for Circuit Boards Location.

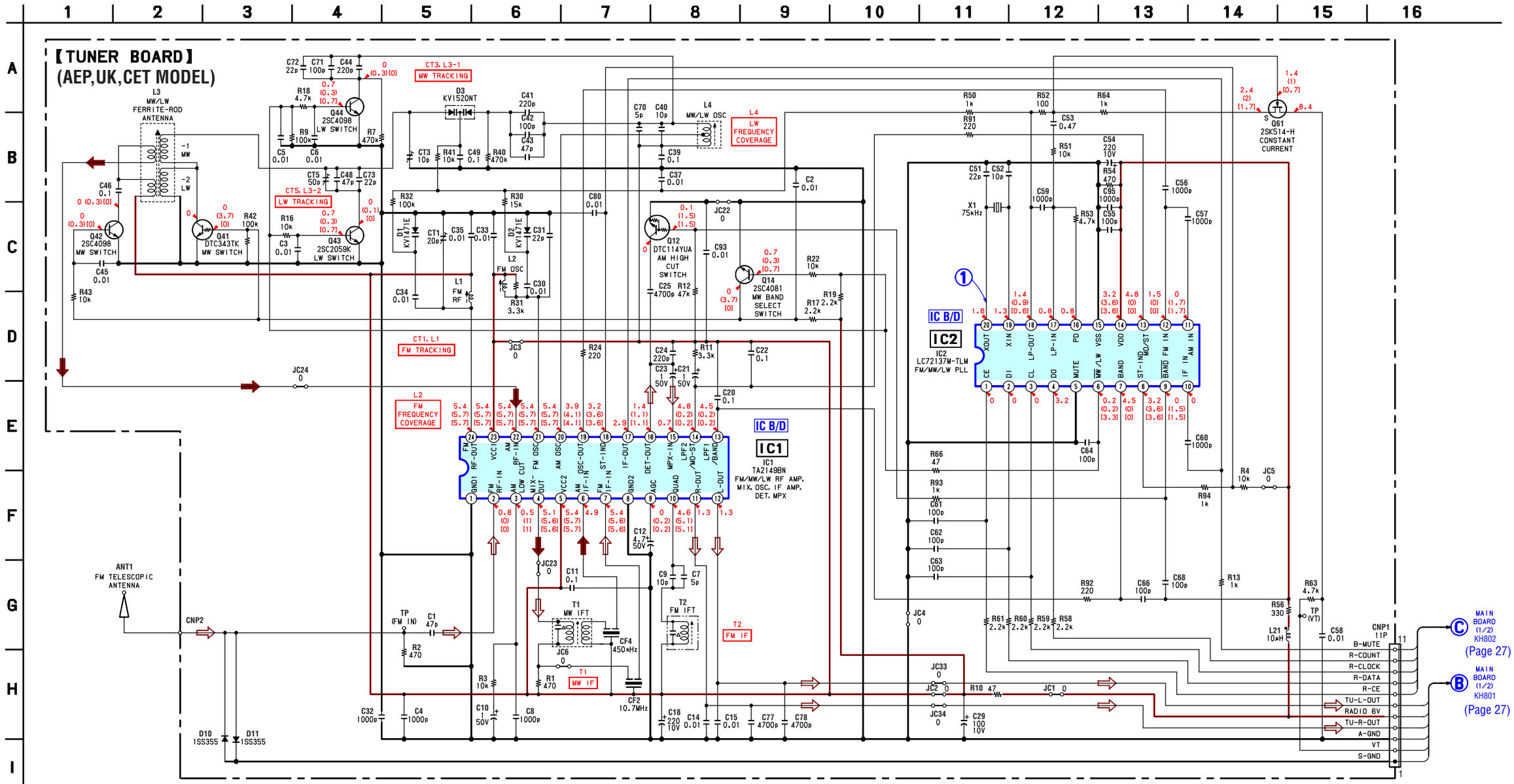


- **Semiconductor Location**

Ref. No.	Location
D1	C-10
D2	D-8
D3	D-8
D10	B-12
D11	B-12
IC1	E-10
IC2	E-5
Q12	F-7
Q14	B-5
Q41	C-6
Q42	C-9
Q43	C-6
Q44	D-6
Q61	D-4

6-5. SCHEMATIC DIAGRAM — TUNER SECTION (AEP, UK, CET MODEL) —

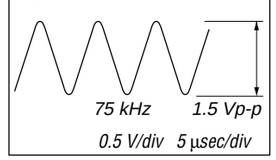
• Refer to page 32 for IC Block Diagrams.



- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : MW
  [ ] : LW

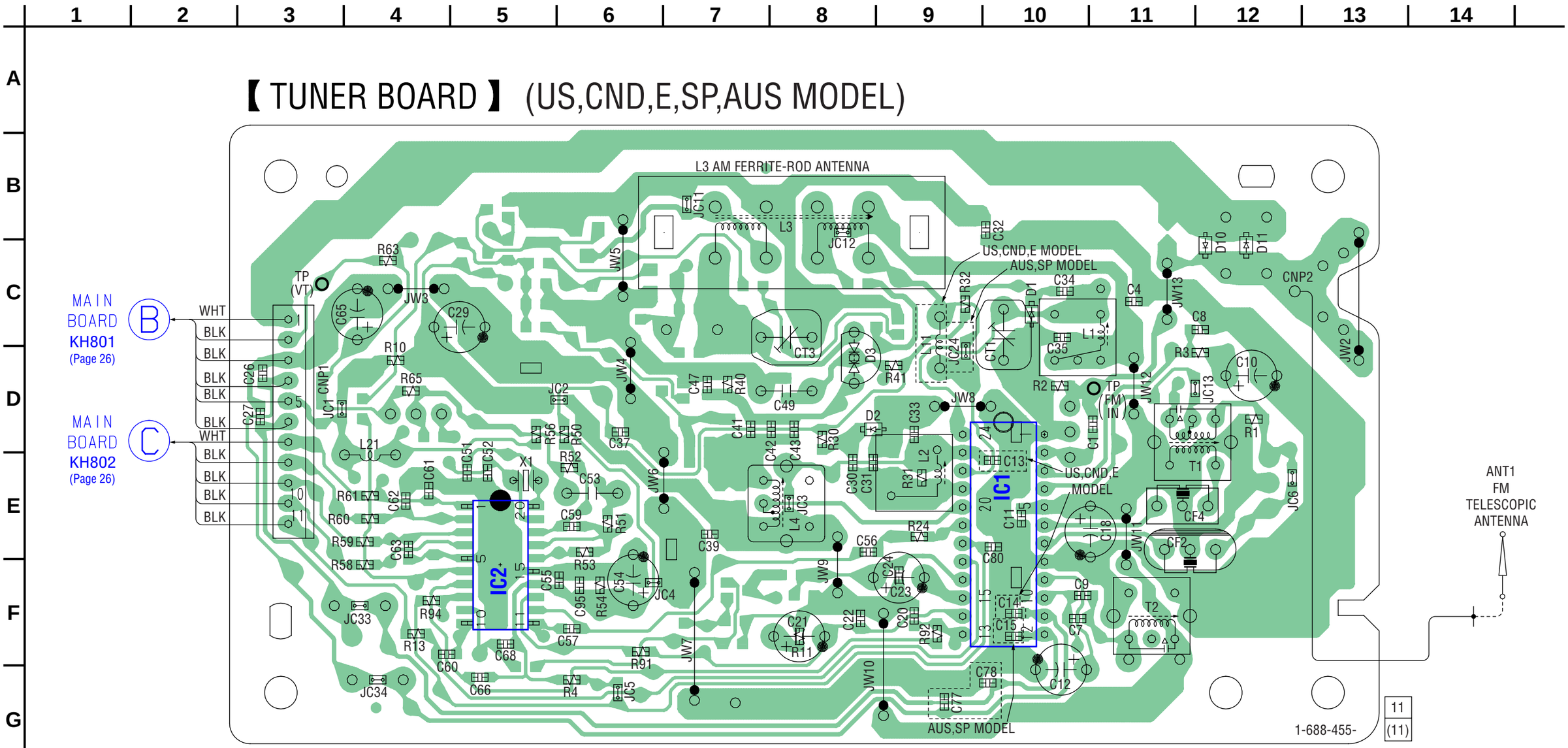
- **Waveform**

① IC2 ⑳ (XOUT)



6-6. PRINTED WIRING BOARD — TUNER SECTION (US, CND, E, SP, AUS MODEL) —

• Refer to page 15 for Circuit Boards Location.

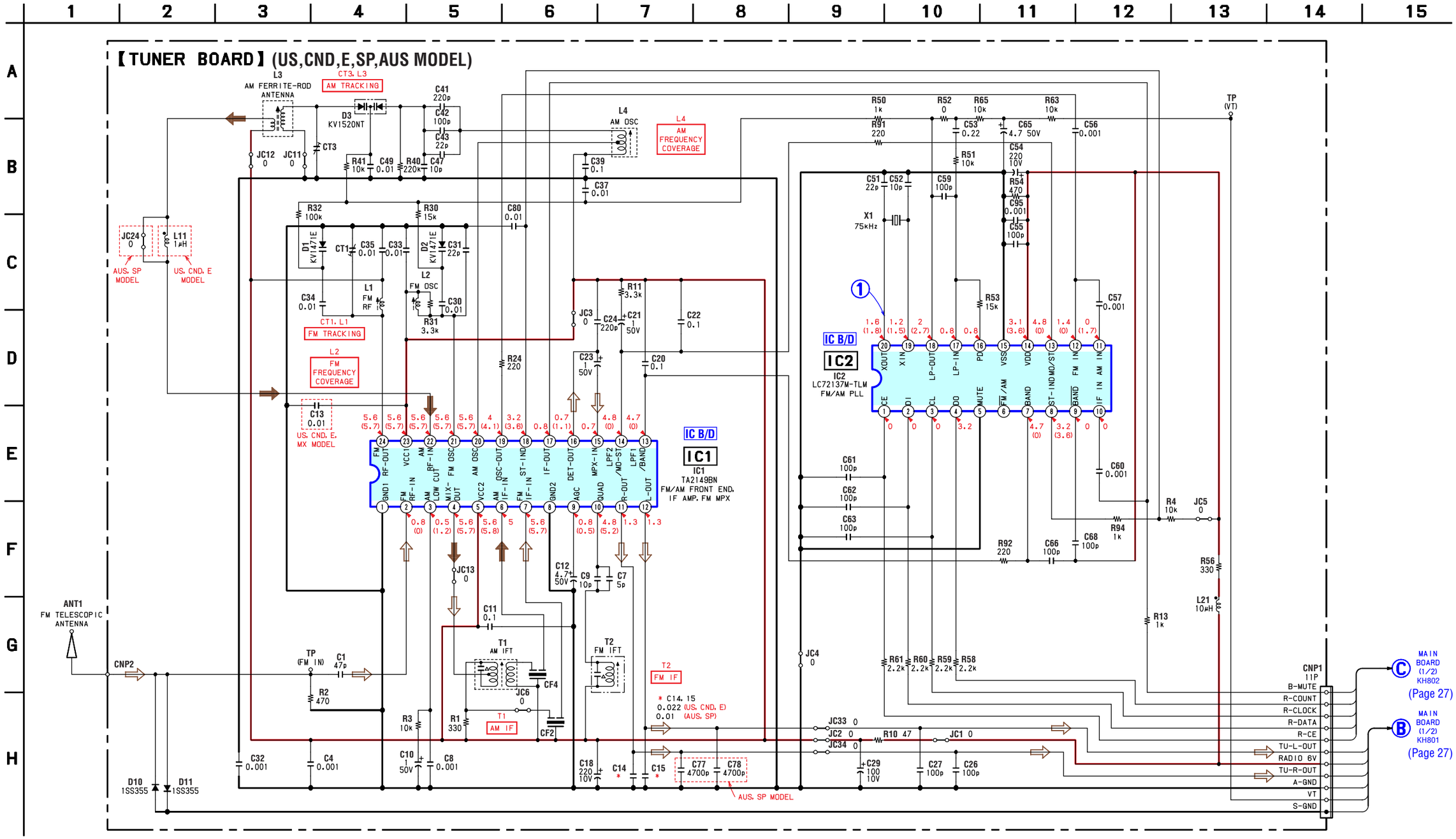


- **Semiconductor Location**

Ref. No.	Location
D1	C-10
D2	D-8
D3	D-8
D10	B-12
D11	B-12
IC1	E-10
IC2	E-5

6-7. SCHEMATIC DIAGRAM — TUNER SECTION (US, CND, E, SP, AUS MODEL) —

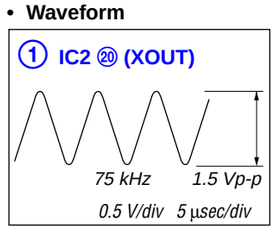
• Refer to page 32 for IC Block Diagrams.



• Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM
( ) : MW
[ ] : LW

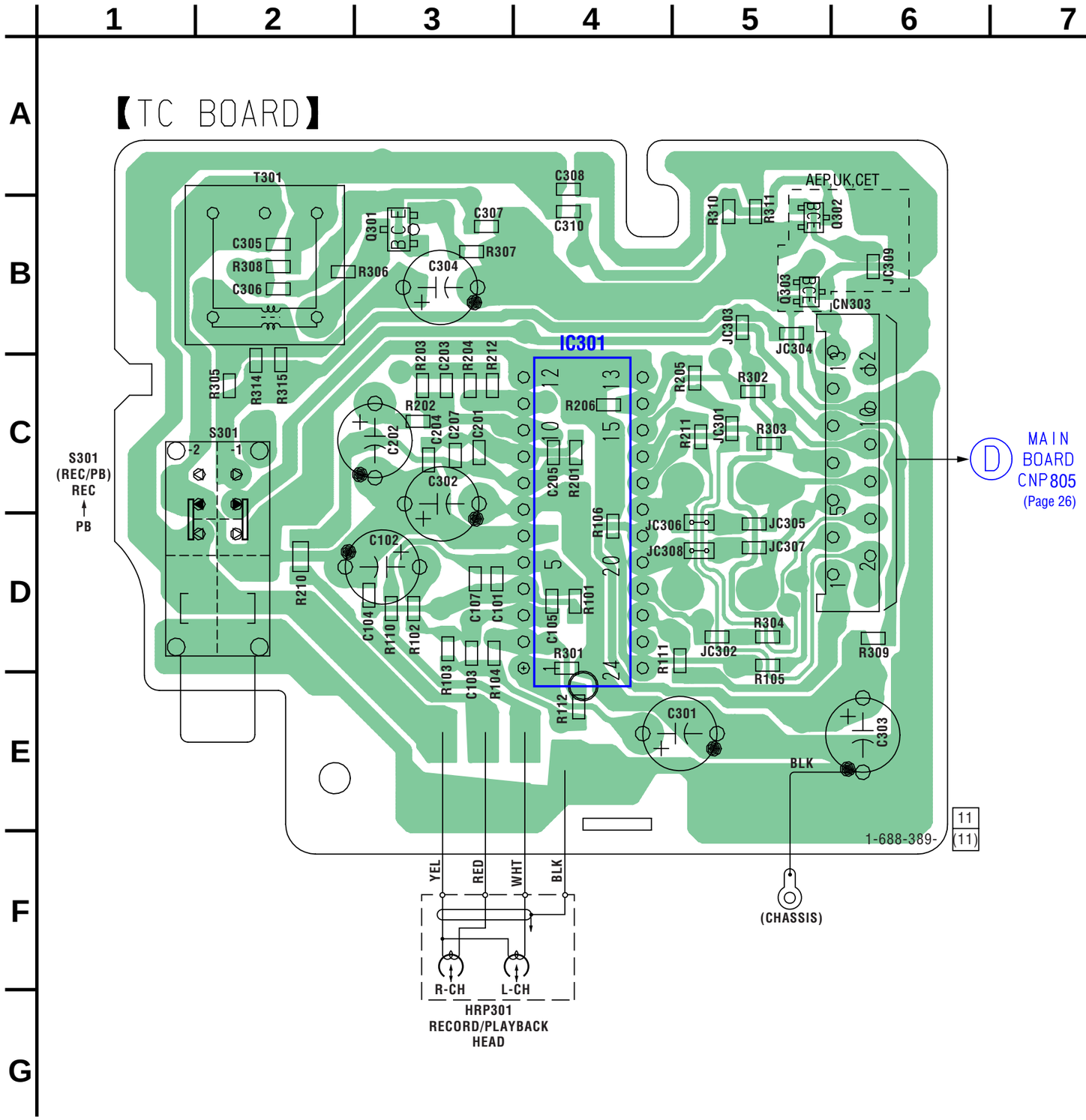
• **Waveform**

① IC2 ⑳ (XOUT)



6-8. PRINTED WIRING BOARD — TC SECTION —

• Refer to page 15 for Circuit Boards Location.

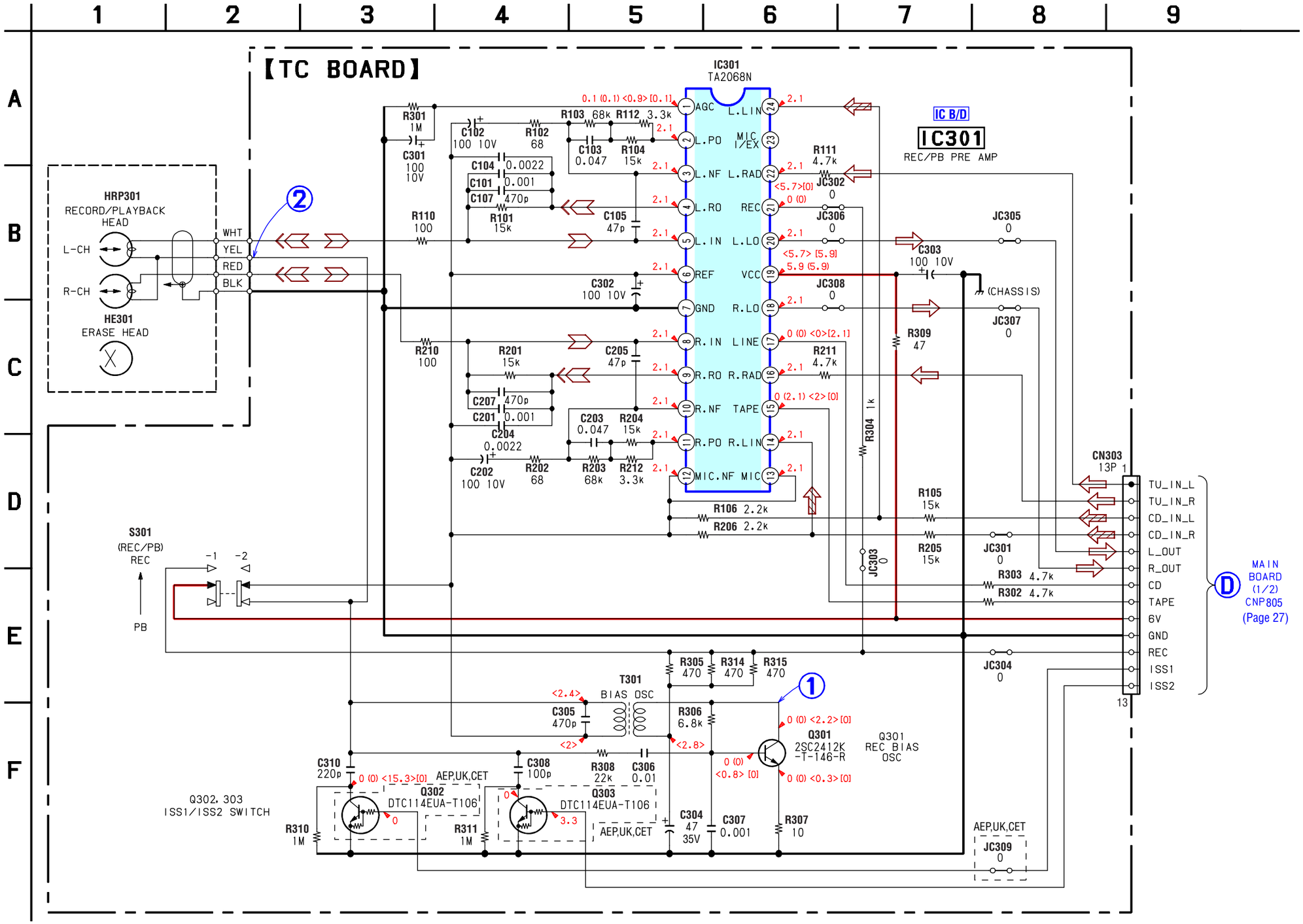


• **Semiconductor Location**

Ref. No.	Location
IC301	C-4
Q301	B-3
Q302	B-5
Q303	B-5

6-9. SCHEMATIC DIAGRAM — TC SECTION —

• Refer to page 33 for IC Block Diagram.



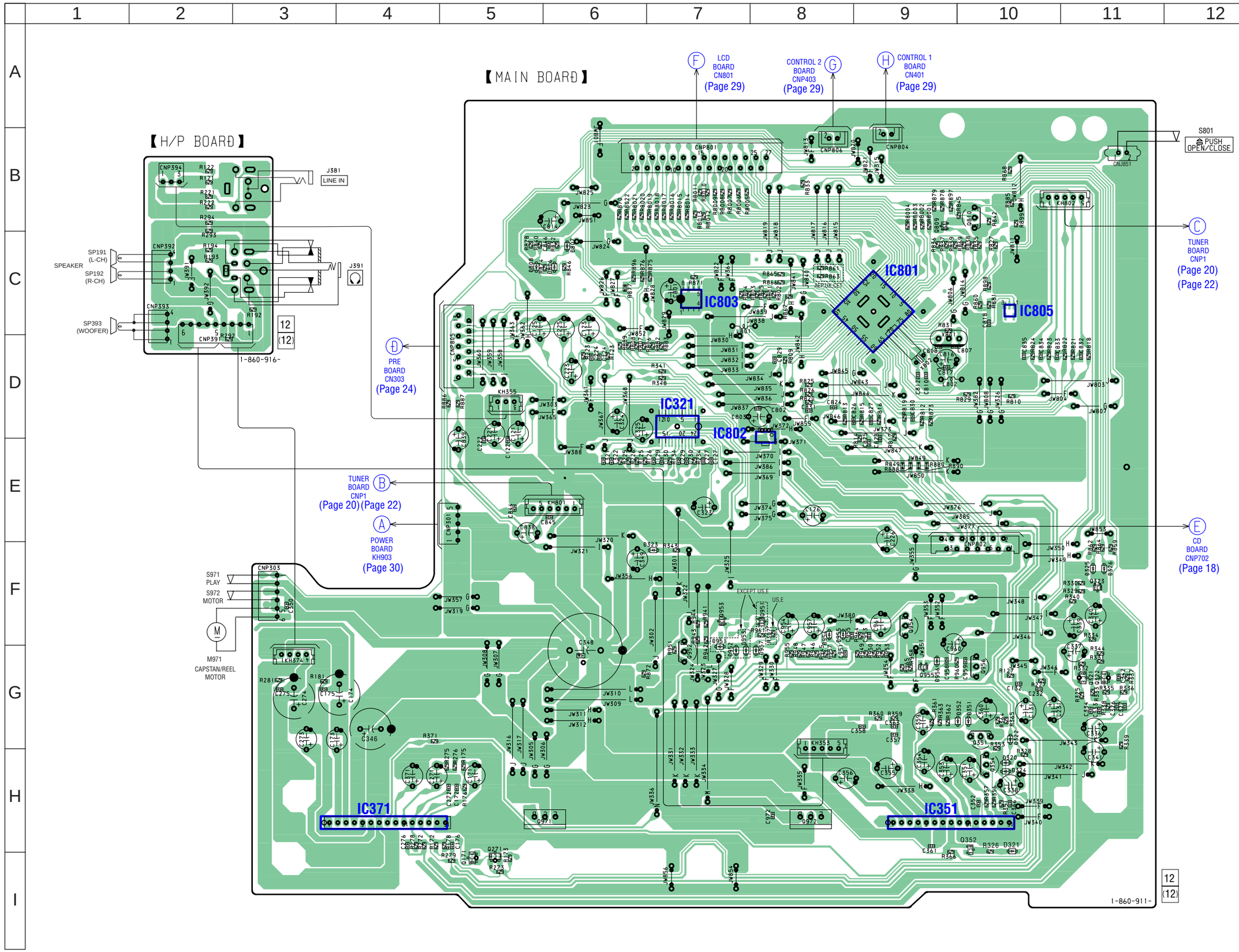
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : PB
  < > : REC
  [ ] : CD PLAY

- **Waveforms**

① Q301 ⓒ (REC)	② T301, HRP301 (YEL)
19.5 µsec 4 Vp-p 0.1 V/div 5 µsec/div	19.5 µsec 36 Vp-p 10 V/div 5 µsec/div

6-10. PRINTED WIRING BOARD — MAIN SECTION —

• Refer to page 15 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location
D320	H-10
D321	I-10
D322	H-10
D323	F-7
D324	H-10
D325	F-11
D326	F-11
D351	G-10
D352	G-10
D806	C-6
D807	C-6
D808	C-5
D951	G-7
D952	G-7
D953	G-7
D954	F-8
D955	F-8
D956	F-9
D957	G-8
IC321	D-7
IC351	H-9
IC371	H-9
IC801	C-9
IC802	D-8
IC803	C-7
IC805	C-10
Q171	I-5
Q271	I-5
Q321	G-11
Q322	G-11
Q323	F-11
Q351	G-10
Q352	I-10
Q354	H-10
Q809	B-9
Q810	B-10
Q951	F-8
Q952	G-7
Q953	F-7
Q954	F-9
Q955	G-9
Q956	G-10
Q971	H-6
Q972	H-8

6-11. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) —

• Refer to page 34 for IC PIN FUNCTION DESCRIPTION.

【LCD BOARD】

IC891 REMOTE CONTROL RECEIVER (RPM7140-V4)

LCD891 (LIQUID CRYSTAL DISPLAY)

【MAIN BOARD】(1/2)

IC801 SYSTEM CONTROL #PD789478GC-8BT

IC803 EEP ROM (CAT24WC02JI-1.8)

IC802 +3.3V REG (S-812C33AUA)

IC805 RESET (BD4826-G)

【CONTROL 3 BOARD】

【CONTROL 2 BOARD】

【CONTROL 1 BOARD】

- Waveforms

④ IC801 ⑦① (XT2)

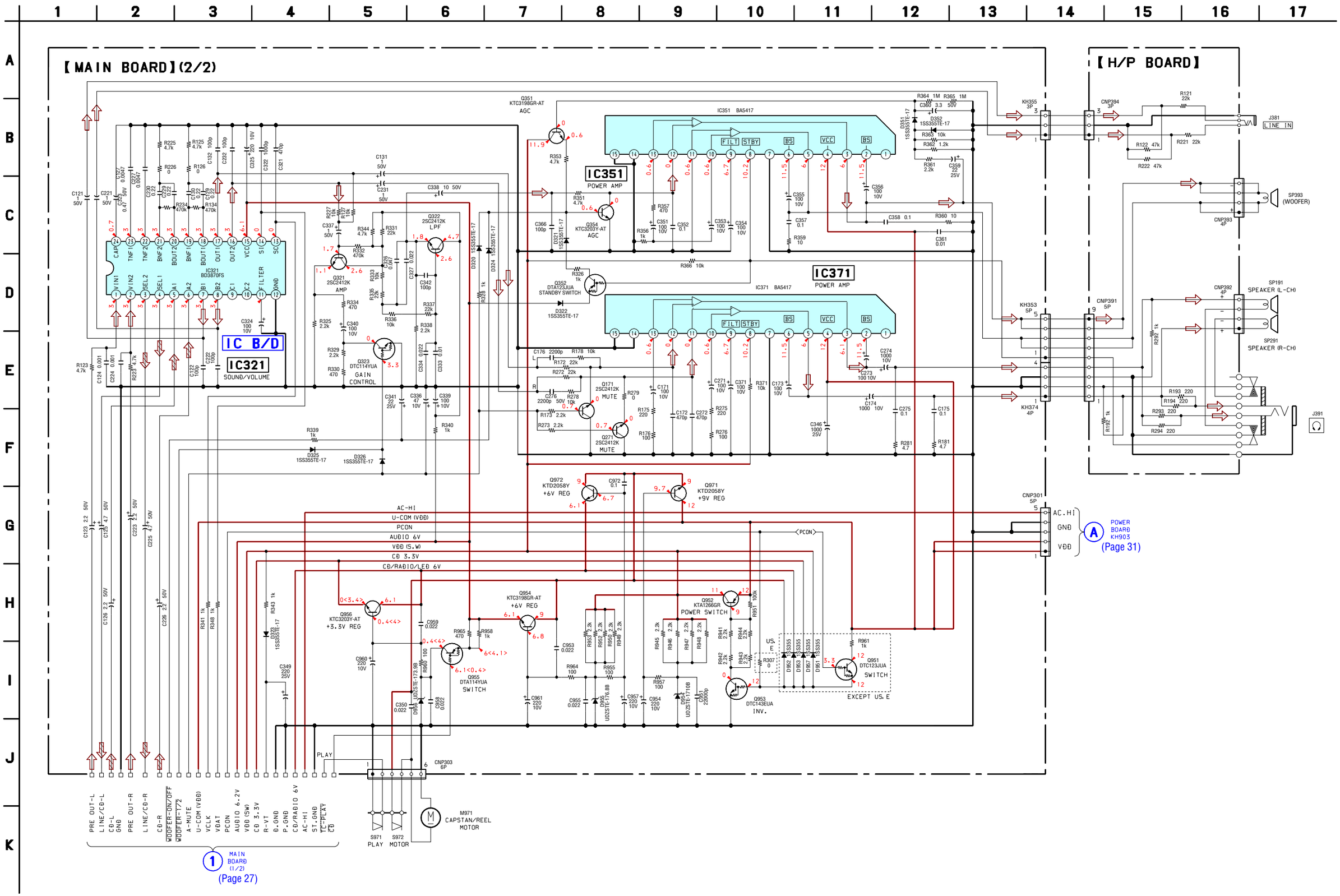
30.5 µs 3.6 Vp-p
1 V/div 10 µsec/div

⑤ IC801 ⑦⑤ (X2)

238 ns 3.7 Vp-p
1 V/div 100 nsec/div

6-12. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) —

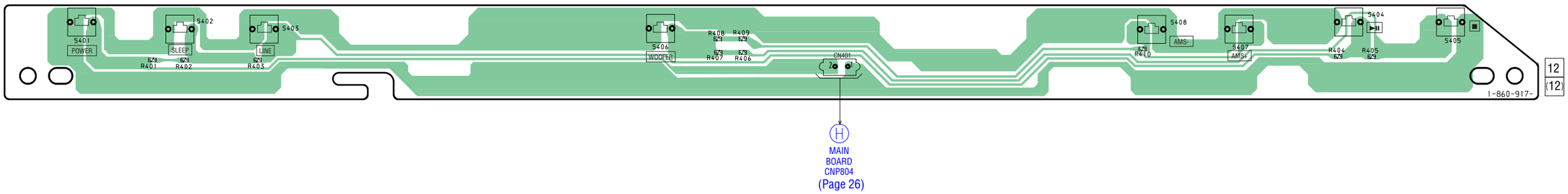
• Refer to page 33 for IC Block Diagram.



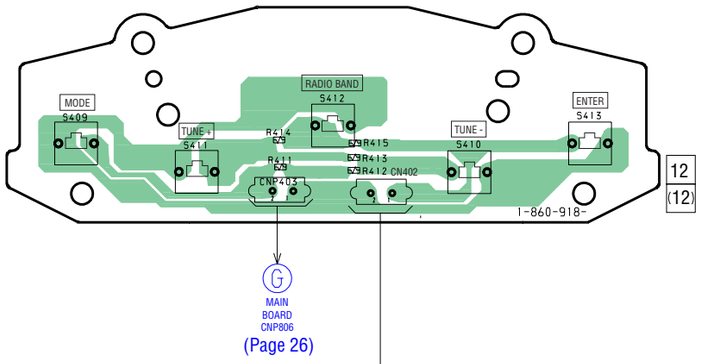
6-13. PRINTED WIRING BOARD — LCD SECTION —

• Refer to page 15 for Circuit Boards Location.

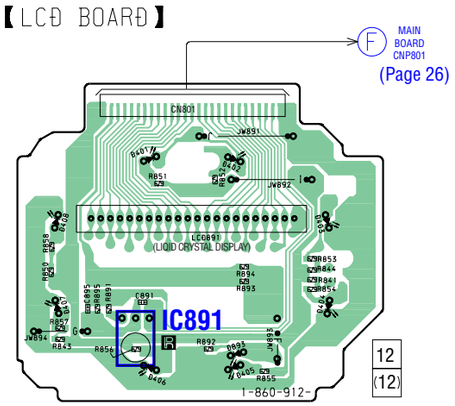
【CONTROL 1 BOARD】



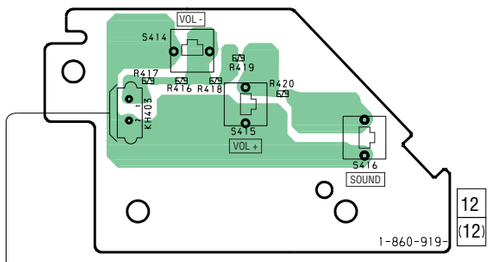
【CONTROL 2 BOARD】



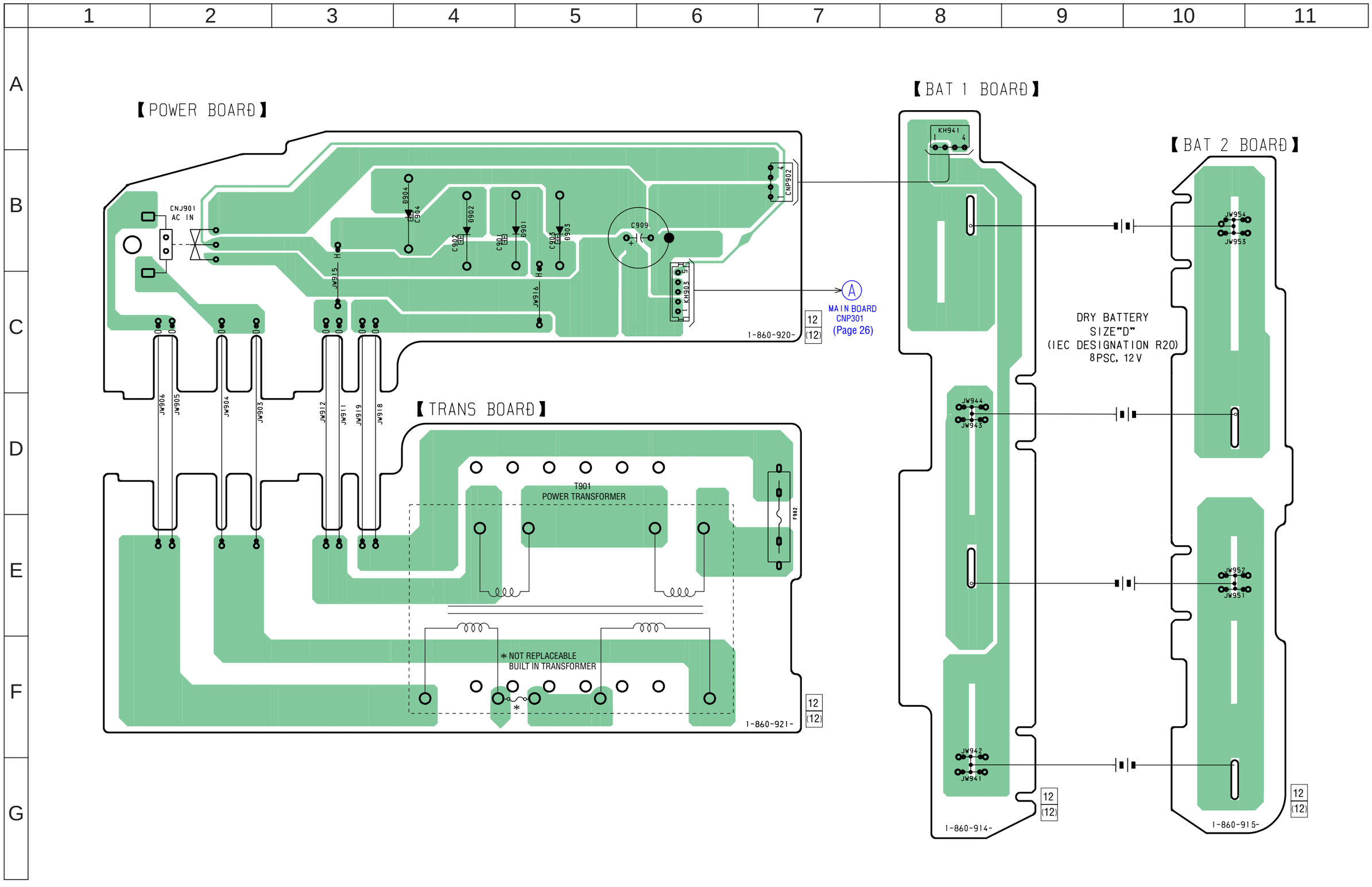
【LCD BOARD】



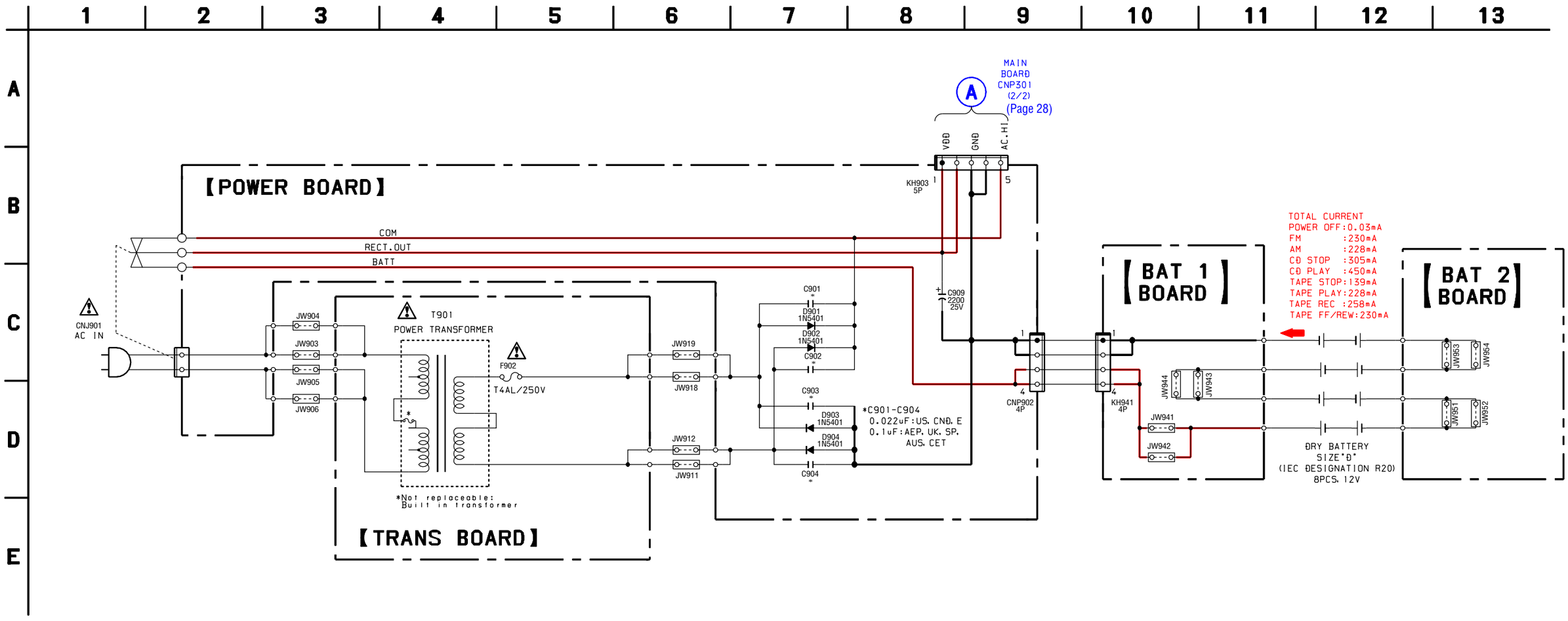
【CONTROL 3 BOARD】



6-14. PRINTED WIRING BOARD — POWER SECTION — • **Refer to page 15 for Circuit Boards Location.**



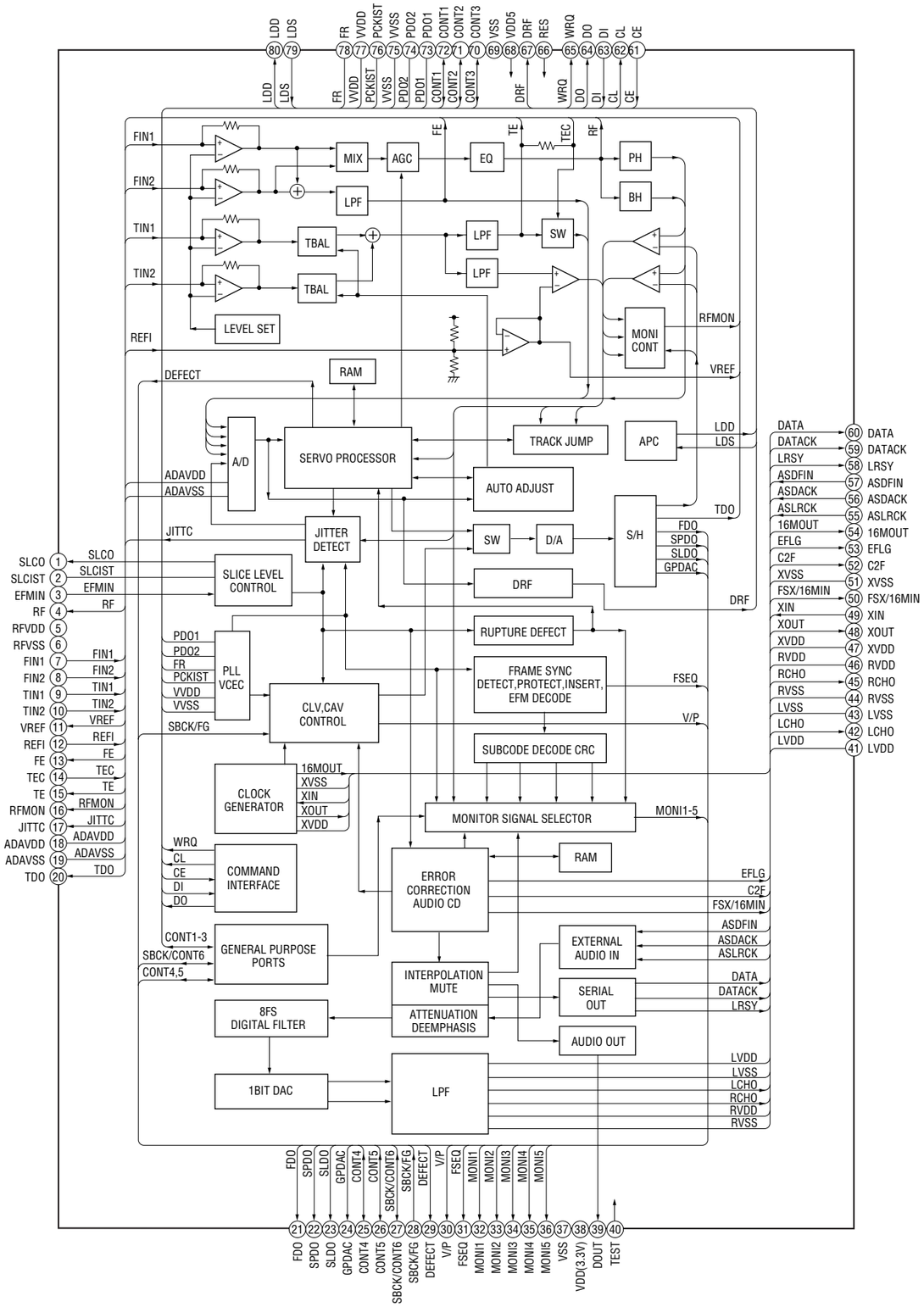
6-15. SCHEMATIC DIAGRAM — POWER SECTION —



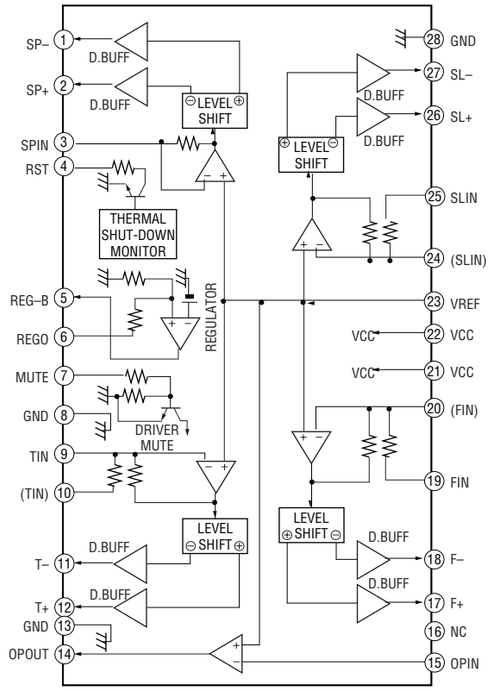
CFD-G500/G500L

- **IC Block Diagrams**

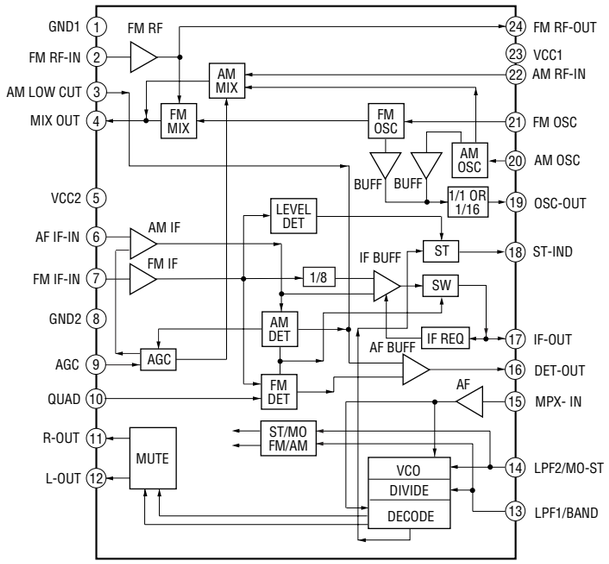
IC701 LC78646E-E (CD Board)



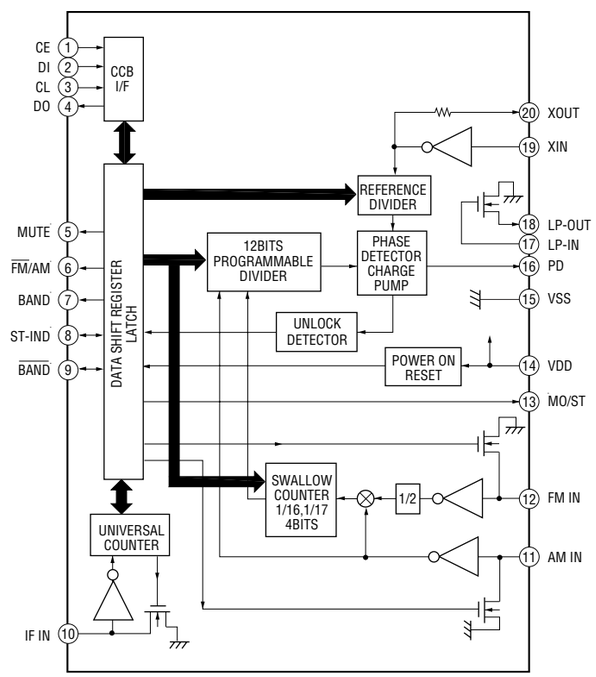
IC702 BA5826FP-E2 (CD Board)



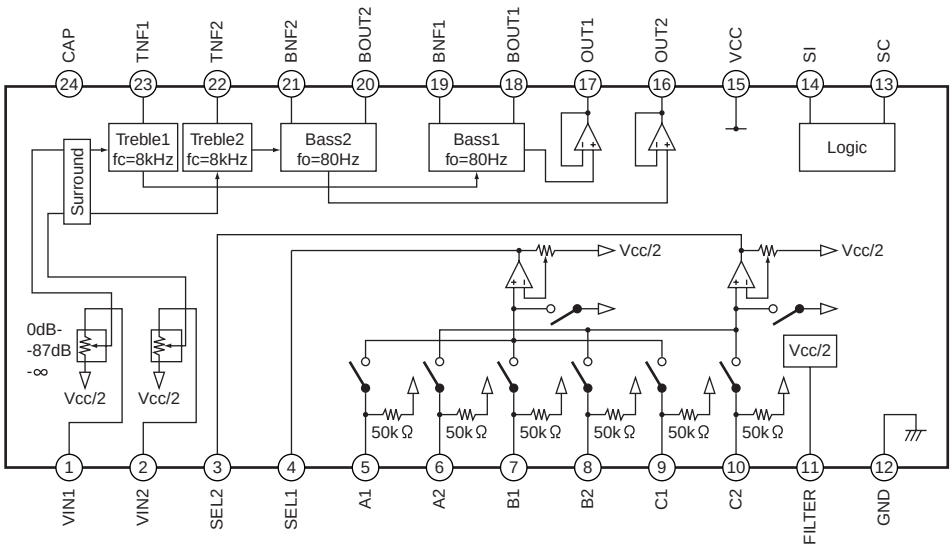
IC1 TA2149BN (TUNER Board)



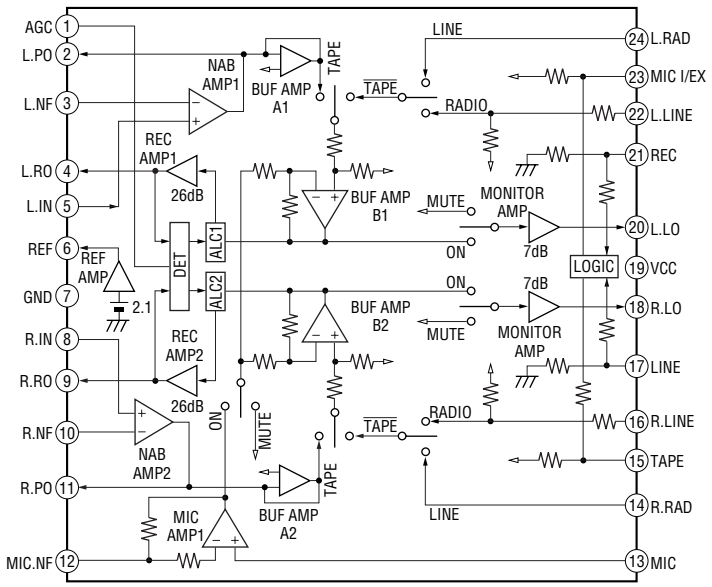
IC2 LC72137M-TLM-E (TUNER Board)



IC321 BD3870FS-E2 (MAIN Board)



IC301 TA2068N (TC Board)



- **IC PIN FUNCTION DESCRIPTION**
- **IC801 μPD789478GC-A24-8BT System Control (MAIN Board)**

Pin No.	Pin Name	I/O	Description
1, 2	NC	–	Not used (open)
3	VLC2	I	LCD bias power supply
4	VLC1	I	LCD bias power supply
5	VLC0	I	LCD bias power supply
6 to 9	COM0 to COM3	O	LCD common signal output
10 to 27	SEG0 to SEG17	O	LCD segment signal output
28, 29	NC	–	Not used (open)
30	WOOFER ON/OFF	O	Woofer on/off control signal output
31	WOOFER 1/2	O	Woofer 1/2 signal output
32	ISS1	O	ISS-1 signal output (not used)
33	ISS2	O	ISS-2 signal output (not used)
34	A-MUTE	O	Audio muting signal output
35	SCL	O	Clock output to the EEPROM
36	SDA	I/O	Data input/output with the EEPROM
37	INIT	O	Initialization setting signal output
38	AVDD	–	Power supply (A/D converter)
39	REC	I	REC signal input from the REC/PB switch (S301) “H”: record mode
40	C-DOOR	I	Detection signal input from the CD OPEN switch (S801) “L”: CD door close
41	SIMUKE	I	Destination setting signal input
42	MODE	I	Model setting signal input
43 to 45	KEY-1 to KEY-3	I	Key signal input from the function keys
46	C-FSEQ	I	CD FSEQ synchronizing signal detection signal input from the IC701
47	AVSS	–	Ground (A/D converter)
48	RMC	I	Data input from the remote control receiver
49	REG CHK	I	Power supply voltage monitoring signal input
50	WP	I/O	WAKE UP reading signal output (interrupt signal in input mode)
51	$\overline{\text{TC-PLAY}}$	I	TAPE PLAYsignal input from the TC PLAY switch (S971)
52	WRQ	I	CD WRQ signal input from the IC701
53	C-DO	I	CD DSP data input from the IC701
54	C-DI	O	CD DSP data output to the IC701
55	C-CLK	O	CD clock output to the IC701
56	C-CE	O	CD chip enable signal output to the IC701
57	R-MUTE	O	Radio muting signal output “L”: active
58	C-DRF	I	CD DRF signal input from the IC701
59	C-RES	O	CD system reset signal output to the IC701
60	R-COUNT	I	Radio IF count signal input from the IC2
61	R-CLK	O	Radio clock signal output to the IC2
62	R-DATA	O	Radio data output to the IC2
63	R-CE	O	Radio chip enable signal output to the IC2
64	V-CLOCK	O	Clock signal output to the sound processor (IC321)
65	V-DATA	O	Data output to the sound processor (IC321)
66	P-CON	O	Power control signal output
67	TAPE	O	TAPE function signal output to the IC301
68	VL	O	VL control signal output “L”: active
69	NC	I	Not used (connected to ground)
70	XT1	I	Sub system clock oscillator input (32.768kHz)
71	XT2	O	Sub system clock oscillator output (32.768kHz)

Pin No.	Pin Name	I/O	Description
72	VDD	–	Power supply
73	VSS	–	Ground
74	X1	I	Main system clock oscillator input (4.19MHz)
75	X2	O	Main system clock oscillator output (4.19MHz)
76	$\overline{\text{RST}}$	I	System reset signal input
77	$\overline{\text{CD}}$	O	CD function signal output “L”: active
78	LED CONT	O	LED control signal output (not used)
79	W-LED1	O	Woofer1 LED control signal output
80	W-LED2	O	Woofer2 LED control signal output

SECTION 7
EXPLODED VIEWS

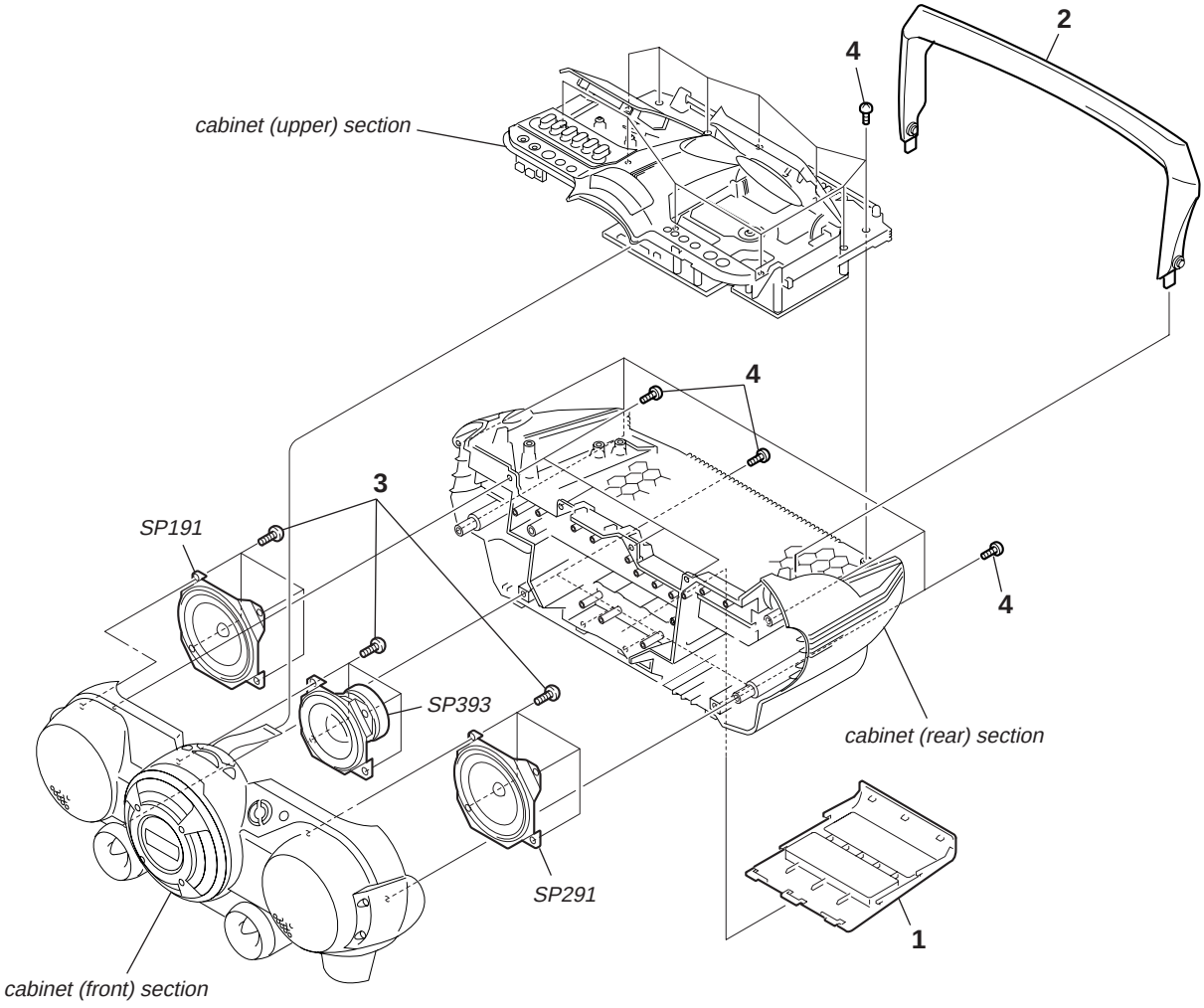
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  SP : Singapore model
  CET : East European and Russian models

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

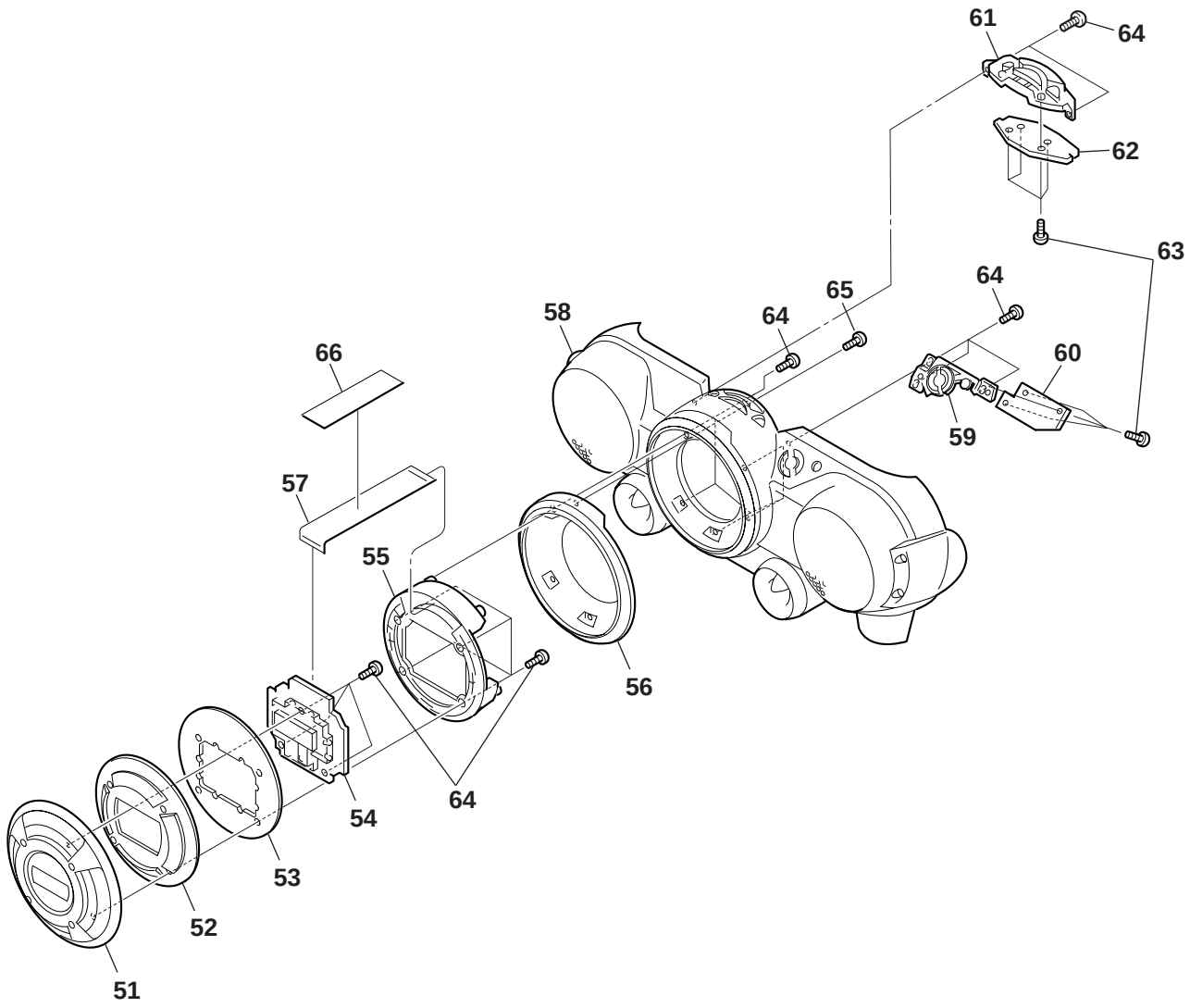
7-1. OVERALL SECTION



Ref. No.	Part No.	Description	Remark
1	3-264-875-01	LID, BATTERY	
2	3-264-873-01	HANDLE	
3	3-254-143-01	SCREW (B3), (+) BV TAPPING	
4	3-254-145-11	SCREW (B3), (+) BV TAPPING	

Ref. No.	Part No.	Description	Remark
SP191	1-544-790-11	SPEAKER (10cm)	
SP291	1-544-790-11	SPEAKER (10cm)	
SP393	1-825-767-11	SPEAKER (10cm)(WOOFER)	

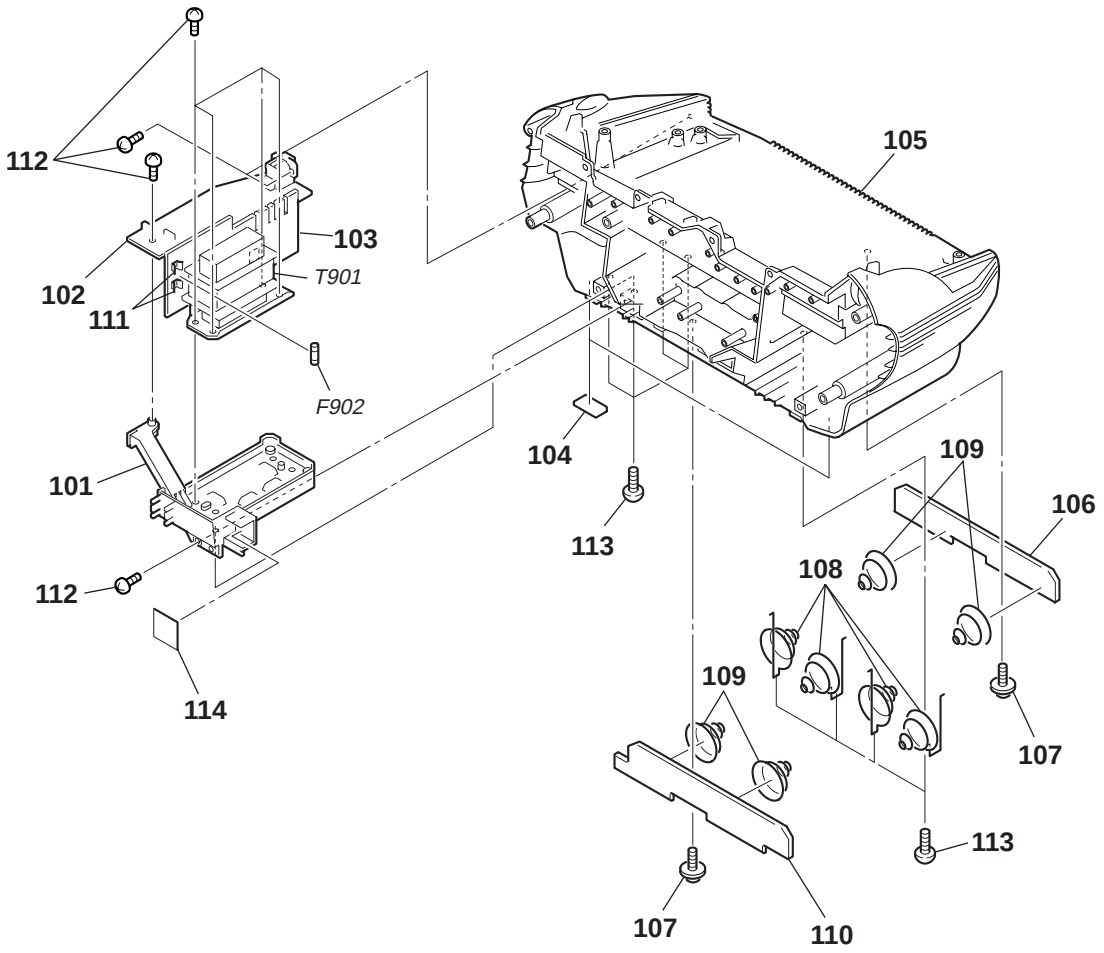
7-2. CABINET (FRONT) SECTION



Ref. No.	Part No.	Description	Remark
* 54	A-4547-433-A	LCD BOARD, COMPLETE	
56	3-264-881-01	RING ORNAMENT	
57	1-829-060-11	CABLE, FLEXIBLE FLAT (27 CORE)	
59	3-264-886-01	BUTTON VOLUME	
* 60	1-860-919-11	CONTROL 3 BOARD	
61	3-264-885-01	BUTTON FUNCTION	

Ref. No.	Part No.	Description	Remark
* 62	1-860-918-11	CONTROL 2 BOARD	
63	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
64	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
65	3-254-145-11	SCREW (B3), (+) BV TAPPING	
66	3-265-623-01	PRITECT SHEET (27PIN FFC)	

7-3. CABINET (REAR) SECTION

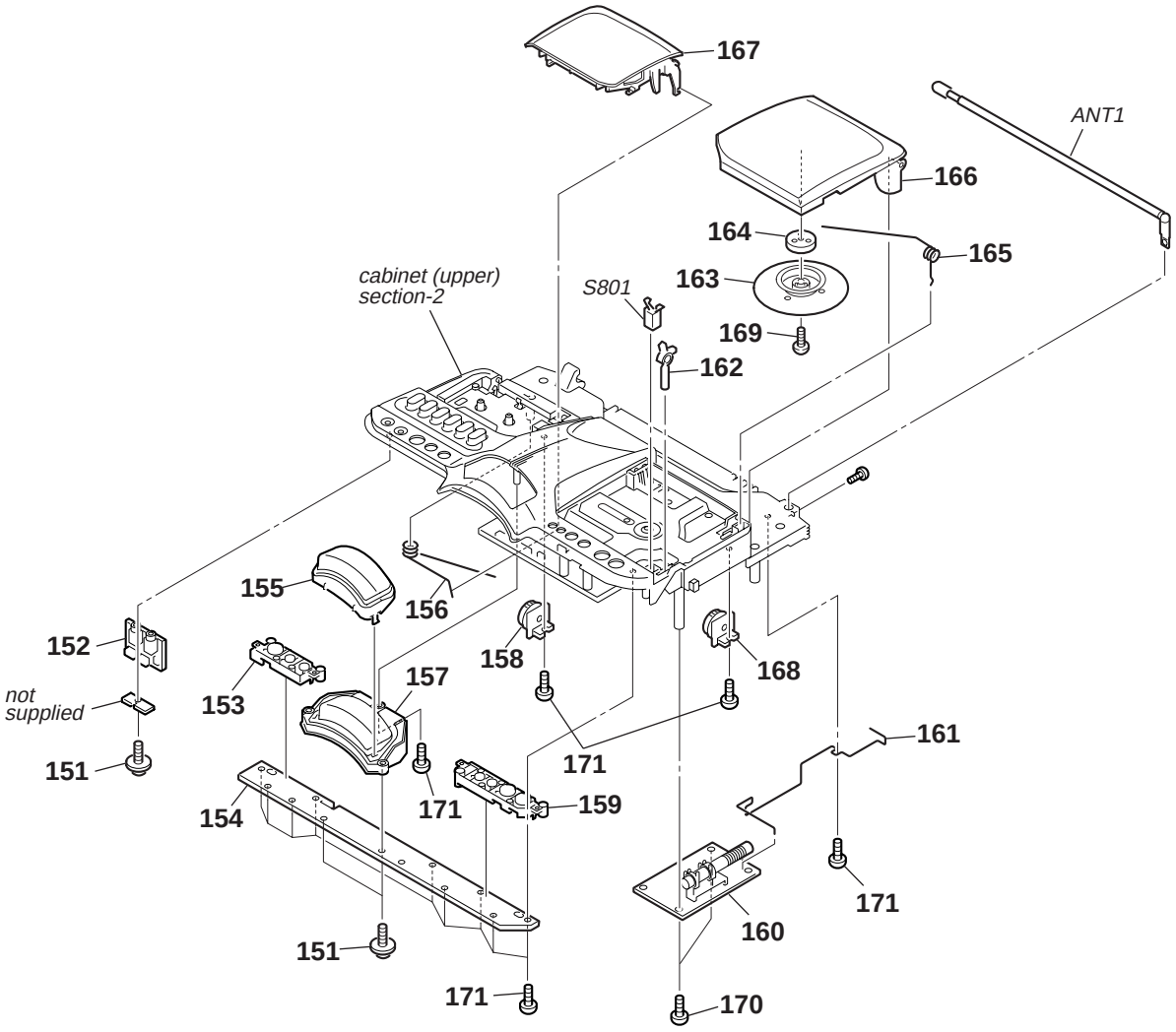


Ref. No.	Part No.	Description	Remark
101	3-264-908-01	CHASSIS (TRANS)	
* 102	1-860-920-11	POWER BOARD	
* 103	1-860-921-11	TRANS BOARD	
104	3-040-916-01	FOOT (FRONT), RUBBER	
105	3-264-907-01	CABINET REAR (US)	
105	3-264-907-21	CABINET REAR (CND)	
105	3-264-907-31	CABINET REAR (EXCEPT US, CND)	
* 106	1-860-915-11	BAT 2 BOARD	
107	3-252-830-01	SCREW (B3), (+) PWH TAPPING	
108	2-067-415-01	TERMINAL (+.-), BATTERY	

Ref. No.	Part No.	Description	Remark
109	3-238-135-01	TERMINAL (-), BATTERY	
* 110	1-860-914-11	BAT 1 BOARD	
111	1-533-233-31	FUSE HOLDER	
112	3-254-143-01	SCREW (B3), (+) BV TAPPING	
113	3-254-143-11	SCREW (B3), (+) BV TAPPING	
114	3-266-180-01	SHEET TRANS CHASSIS	
⚠F902	1-533-471-12	FUSE, GLASS TUBE (DIA. 5) T4A/250V	
⚠T901	1-435-964-11	TRANSFORMER, POWER (US, CND, E)	
⚠T901	1-435-965-11	TRANSFORMER, POWER (AEP, UK, SP, AUS, CET)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

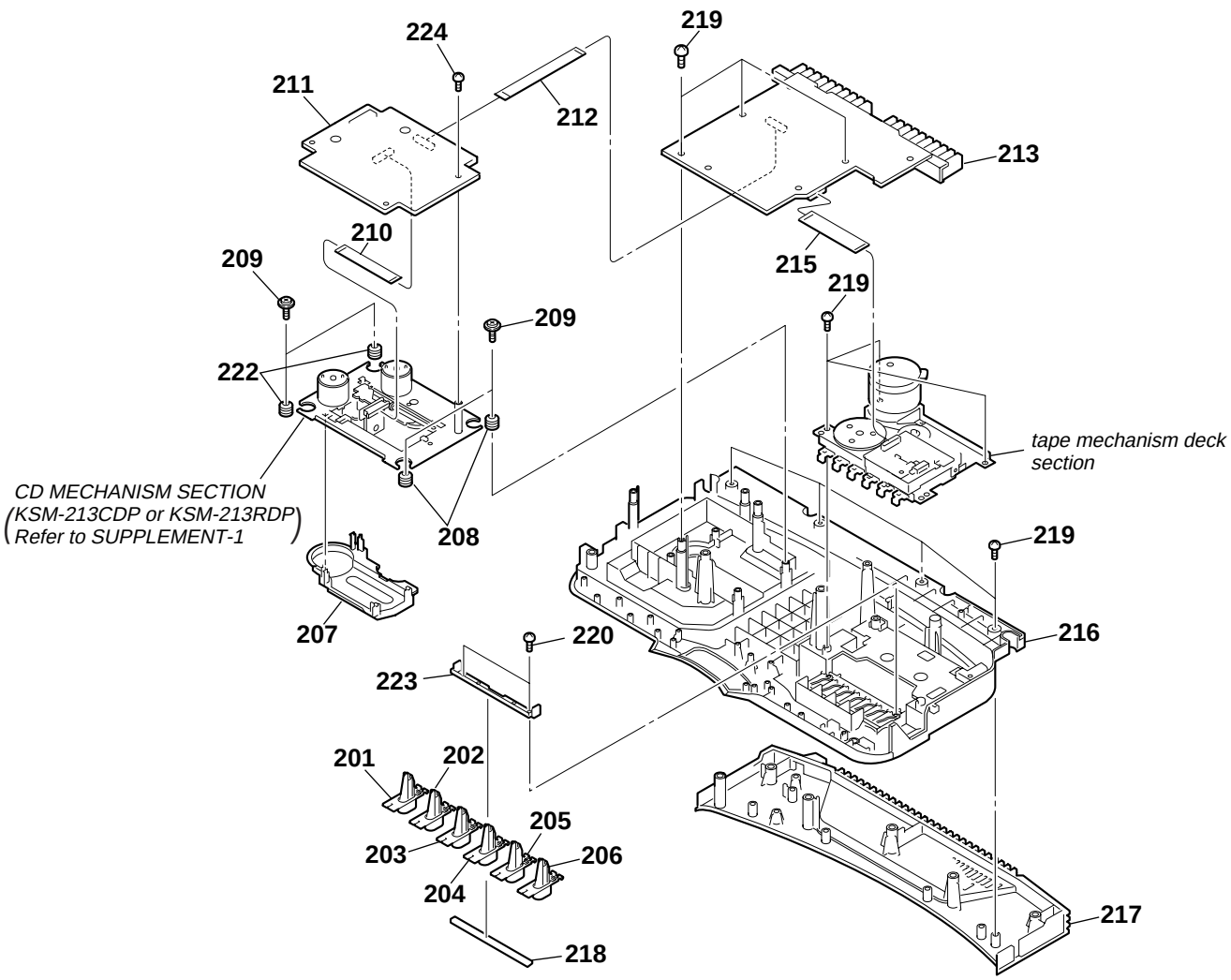
7-4. CABINET (UPPER) SECTION-1



Ref. No.	Part No.	Description	Remark
151	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
* 152	1-860-916-11	H/P BOARD	
153	3-264-898-01	BUTTON POWER	
* 154	1-860-917-11	CONTROL 1 BOARD	
155	3-264-903-01	BUTTON WOOFER	
156	3-264-902-02	SPRING CASSETTE	
157	3-264-904-01	HOLDER BUTTON WOOFER	
158	3-047-468-01	DAMPER	
159	3-264-897-01	BUTTON CD	
* 160	A-4547-438-A	TUNER BOARD, COMPLETE (US, CND, E)	
* 160	A-4547-448-A	TUNER BOARD, COMPLETE (SP, AUS)	
* 160	A-4547-451-A	TUNER BOARD, COMPLETE (AEP, UK, CET)	
161	3-264-916-01	TERMINAL ANTENNA	
162	3-232-770-01	STOPPER (CD)	

Ref. No.	Part No.	Description	Remark
163	3-019-395-01	PLATE, CHUCKING	
164	1-452-899-11	MAGNET	
165	3-264-889-01	SPRING CD	
166	3-264-887-01	LID CD	
167	3-264-888-01	LID CASSETTE (US, CND, E, AUS)	
167	3-264-888-21	LID CASSETTE (AEP, UK, CET, SP)	
168	3-047-468-11	DAMPER	
169	3-253-143-01	SCREW (B2.6), (+) P TAPPING	
170	3-254-143-01	SCREW (B3), (+) BV TAPPING	
171	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
172	3-252-883-01	SCREW (M3), (+) P	
ANT1	1-501-918-21	ANTENNA, TELESCOPIC	
S801	1-692-960-11	SWITCH, PUSH (1 KEY)	
		((⏏) PUSH OPEN/CLOSE)	

7-5. CABINET (UPPER) SECTION-2

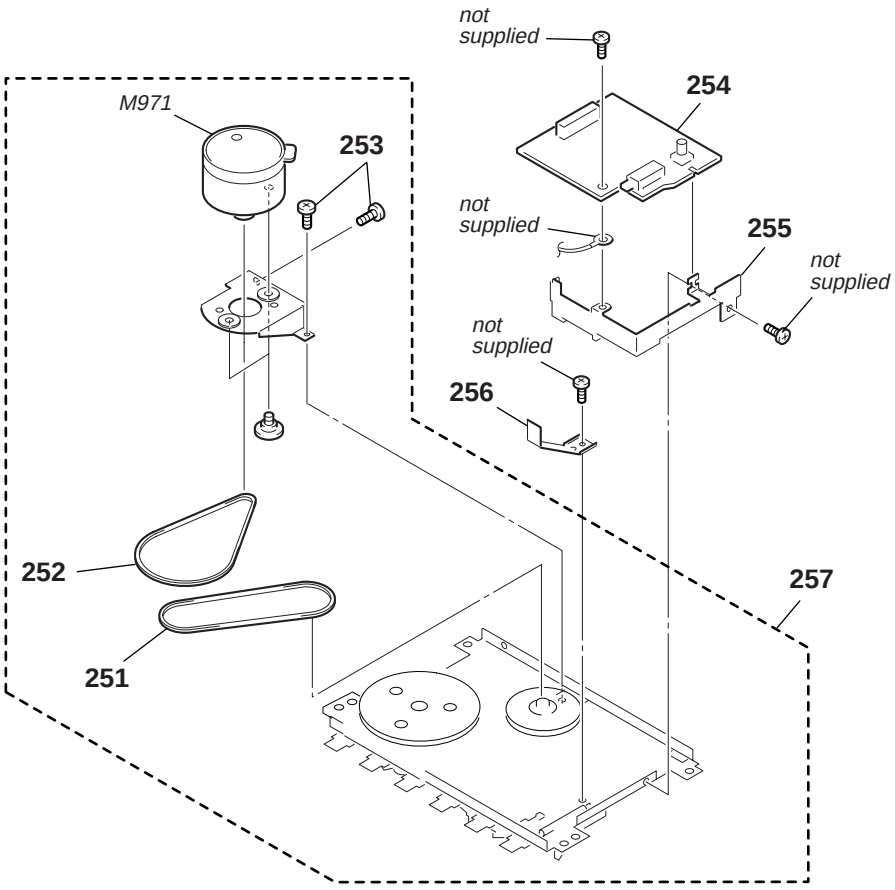


Ref. No.	Part No.	Description	Remark
201	3-264-890-01	BUTTON PAUSE	
202	3-264-891-01	BUTTON STOP/EJECT	
203	3-264-892-01	BUTTON FF	
204	3-264-893-01	BUTTON REW	
205	3-264-894-01	BUTTON PLAY	
206	3-264-895-01	BUTTON REC	
207	3-923-736-01	COVER, CD	
208	3-038-948-01	RUBBER, VIBRATION PROOF	
209	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
210	1-757-689-11	CABLE, FLEXIBLE FLAT (16 CORE)	
* 211	A-4542-980-A	CD BOARD, COMPLETE	
212	1-829-059-11	CABLE, FLEXIBLE FLAT (14 CORE)	
* 213	A-4547-439-A	MAIN BOARD, COMPLETE (US, E)	
* 213	A-4547-441-A	MAIN BOARD, COMPLETE (CND)	
* 213	A-4547-444-A	MAIN BOARD, COMPLETE (AUS)	
213	A-4547-449-A	MAIN BOARD, COMPLETE (SP)	

Ref. No.	Part No.	Description	Remark
* 213	A-4547-452-A	MAIN BOARD, COMPLETE (AEP, UK, CET)	
215	1-829-057-11	CABLE, FLEXIBLE FLAT (11 CORE)(G500)	
215	1-829-058-11	CABLE, FLEXIBLE FLAT (13 CORE)(G500L)	
216	3-264-900-01	CABINET UPPER (FRONT) (US)	
216	3-264-900-21	CABINET UPPER (FRONT) (CND, E, AUS, SP)	
216	3-264-900-31	CABINET UPPER (FRONT) (AEP, UK, CET)	
217	3-264-901-01	CABINET UPPER (BACK) (US)	
217	3-264-901-11	CABINET UPPER (BACK) (EXCEPT US)	
218	2-108-743-01	CUSHION KEY CASSETTE	
219	3-254-143-01	SCREW (B3), (+) BV TAPPING	
220	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
222	3-038-948-11	RUBBER, VIBRATION PROOF	
223	3-264-896-01	HOLDER BUTTON (MD)	
224	3-254-709-51	SCREW	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-6. TAPE MECHANISM DECK SECTION



Ref. No.	Part No.	Description	Remark
251	3-244-079-01	BELT (B), SUB	
252	3-244-080-01	BELT (B), MAIN	
253	3-254-029-01	SCREW	
* 254	A-3683-864-A	TC BOARD, COMPLETE (AEP, UK, CET)	
* 254	A-4547-315-A	TC BOARD, COMPLETE (US, CND, E, SP, AUS)	

Ref. No.	Part No.	Description	Remark
255	3-237-719-02	CHASSIS, TC	
256	3-237-718-01	LEVER REC	
257	A-3172-207-A	MF-G500	
M971	3-244-082-01	PULLEY (MOTOR)(CAPSTAN/REEL)	

SECTION 8
ELECTRICAL PARTS LIST

BAT 1 **BAT 2** **CD**

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- Accessories are given in the last of this parts list.
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  SP : Singapore model
  CET : East European and Russian models

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
*	1-860-914-11	BAT 1 BOARD			
		**********			
	3-238-135-01	TERMINAL (-), BATTERY			
**********					
*	1-860-915-11	BAT 2 BOARD			
		**********			
	3-238-135-01	TERMINAL (-), BATTERY			
**********					
*	A-4542-980-A	CD BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C701	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C702	1-126-947-11	ELECT	47uF	20%	35V
C703	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C704	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C705	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C706	1-126-960-11	ELECT	1uF	20%	50V
C707	1-115-156-11	CERAMIC CHIP	1uF		10V
C708	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C709	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C711	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C716	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C717	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C720	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C721	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C722	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C723	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C724	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C725	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C726	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C727	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C728	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C729	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C730	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C731	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C732	1-104-658-91	ELECT	100uF	20%	10V
C733	1-104-658-91	ELECT	100uF	20%	10V
C734	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C735	1-126-916-11	ELECT	1000uF	20%	6.3V
C736	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C738	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description			Remark
C739	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C740	1-126-925-91	ELECT	470uF	20%	10V
C741	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C742	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C743	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C744	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C745	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C746	1-104-658-91	ELECT	100uF	20%	10V
C747	1-104-658-91	ELECT	100uF	20%	10V
C750	1-104-658-91	ELECT	100uF	20%	10V
C751	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C754	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C755	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CNP701	1-779-553-21	CONNECTOR, FFC (LIF (NON-ZIF)) 16P			
* CNP702	1-784-736-11	CONNECTOR, FFC 14P			
		< FERRITE BEAD >			
FB701	1-469-701-21	FERRITE, EMI (SMD) (1608)			
		< IC >			
IC701	6-701-796-01	IC LC78646E-E			
IC702	6-701-787-11	IC BA5826FP-E2			
		< SHORT >			
JC701	1-216-864-11	SHORT CHIP	0		
JC702	1-216-864-11	SHORT CHIP	0		
JC703	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L706	1-414-445-11	FERRITE, EMI (SMD) (1608)			
		< TRANSISTOR >			
Q701	8-729-054-57	TRANSISTOR	KTN2907AS-RTK		
		< RESISTOR >			
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W
R702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-216-833-11	METAL CHIP	10K	5%	1/10W

CD | CONTROL 1 | CONTROL 2 | CONTROL 3 | H/P

Ref. No.	Part No.	Description			Remark
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-797-11	METAL CHIP	10	5%	1/10W
R708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R709	1-216-837-11	METAL CHIP	22K	5%	1/10W
R710	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R711	1-216-809-11	METAL CHIP	100	5%	1/10W
R712	1-216-809-11	METAL CHIP	100	5%	1/10W
R713	1-216-813-11	METAL CHIP	220	5%	1/10W
R714	1-216-809-11	METAL CHIP	100	5%	1/10W
R715	1-216-809-11	METAL CHIP	100	5%	1/10W
R716	1-216-821-11	METAL CHIP	1K	5%	1/10W
R717	1-216-821-11	METAL CHIP	1K	5%	1/10W
R718	1-216-821-11	METAL CHIP	1K	5%	1/10W
R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-821-11	METAL CHIP	1K	5%	1/10W
R722	1-216-809-11	METAL CHIP	100	5%	1/10W
R723	1-216-809-11	METAL CHIP	100	5%	1/10W
R724	1-216-841-11	METAL CHIP	47K	5%	1/10W
R725	1-216-813-11	METAL CHIP	220	5%	1/10W
R726	1-216-813-11	METAL CHIP	220	5%	1/10W
R727	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R728	1-216-833-11	METAL CHIP	10K	5%	1/10W
R729	1-216-813-11	METAL CHIP	220	5%	1/10W
R730	1-216-821-11	METAL CHIP	1K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-216-857-11	METAL CHIP	1M	5%	1/10W
R733	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R734	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R735	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R736	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R737	1-216-817-11	METAL CHIP	470	5%	1/10W
R738	1-216-817-11	METAL CHIP	470	5%	1/10W
R741	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R742	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R743	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R746	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R747	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< SWITCH >			
S701	1-571-936-11	SWITCH, LEAF (LIMIT)			
		< VIBRATOR >			
X701	1-781-801-21	VIBRATOR, CERAMIC 16.9344MHz			

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*	1-860-917-11	CONTROL 1 BOARD			
		**********			
		< RESISTOR >			
R401	1-216-817-11	METAL CHIP	470	5%	1/10W
R402	1-216-813-11	METAL CHIP	220	5%	1/10W
R403	1-216-821-11	METAL CHIP	1K	5%	1/10W
R404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R406	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R407	1-216-821-11	METAL CHIP	1K	5%	1/10W
R408	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R409	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R410	1-216-837-11	METAL CHIP	22K	5%	1/10W
		< SWITCH >			
S401	1-786-050-21	SWITCH, KEY BOARD (POWER)			
S402	1-786-050-21	SWITCH, KEY BOARD (SLEEP)			
S403	1-786-050-21	SWITCH, KEY BOARD (LINE)			
S404	1-786-050-21	SWITCH, KEY BOARD (▶II)			
S405	1-786-050-21	SWITCH, KEY BOARD (■)			
S406	1-786-050-21	SWITCH, KEY BOARD (WOOFER)			
S407	1-786-050-21	SWITCH, KEY BOARD (AMS+)			
S408	1-786-050-21	SWITCH, KEY BOARD (AMS-)			

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*	1-860-918-11	CONTROL 2 BOARD			
		**********			
		< RESISTOR >			
R411	1-216-817-11	METAL CHIP	470	5%	1/10W
R412	1-216-813-11	METAL CHIP	220	5%	1/10W
R413	1-216-821-11	METAL CHIP	1K	5%	1/10W
R414	1-216-821-11	METAL CHIP	1K	5%	1/10W
R415	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< SWITCH >			
S409	1-786-050-21	SWITCH, KEY BOARD (MODE)			
S410	1-786-050-21	SWITCH, KEY BOARD (TUNE+)			
S411	1-786-050-21	SWITCH, KEY BOARD (TUNE-)			
S412	1-786-050-21	SWITCH, KEY BOARD (RADIO BAND)			
S413	1-786-050-21	SWITCH, KEY BOARD (ENTER)			

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*	1-860-919-11	CONTROL 3 BOARD			
		**********			
		< RESISTOR >			
R416	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R417	1-216-821-11	METAL CHIP	1K	5%	1/10W
R418	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R419	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R420	1-216-837-11	METAL CHIP	22K	5%	1/10W
		< SWITCH >			
S414	1-786-050-21	SWITCH, KEY BOARD (VOL-)			
S415	1-786-050-21	SWITCH, KEY BOARD (VOL+)			
S416	1-786-050-21	SWITCH, KEY BOARD (SOUND)			

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*	1-860-916-11	H/P BOARD			
		*********			
		< CONNECTOR >			
* CNP391	1-815-557-11	PIN, CONNECTOR (SMALL TYPE) 9P			
* CNP392	1-815-552-11	PIN, CONNECTOR (SMALL TYPE) 4P			
* CNP393	1-815-552-21	PIN, CONNECTOR (SMALL TYPE) 4P			
* CNP394	1-815-551-11	PIN, CONNECTOR (SMALL TYPE) 3P			

H/P **LCD** **MAIN**

Ref. No.	Part No.	Description			Remark
		< JACK >			
J381	1-779-050-41	JACK (LINE IN)			
J391	1-794-016-11	JACK (🎧)			
		< RESISTOR >			
R121	1-216-837-11	METAL CHIP	22K	5%	1/10W
R122	1-216-841-11	METAL CHIP	47K	5%	1/10W
R192	1-216-821-11	METAL CHIP	1K	5%	1/10W
R193	1-216-813-11	METAL CHIP	220	5%	1/10W
R194	1-216-813-11	METAL CHIP	220	5%	1/10W
R221	1-216-837-11	METAL CHIP	22K	5%	1/10W
R222	1-216-841-11	METAL CHIP	47K	5%	1/10W
R292	1-216-821-11	METAL CHIP	1K	5%	1/10W
R293	1-216-813-11	METAL CHIP	220	5%	1/10W
R294	1-216-813-11	METAL CHIP	220	5%	1/10W
**********					
*	A-4547-433-A	LCD BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C891	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C895	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< DIODE >			
D401	8-719-085-33	DIODE SLI-343URCT32WST			
D402	8-719-085-33	DIODE SLI-343URCT32WST			
D403	8-719-085-33	DIODE SLI-343URCT32WST			
D404	8-719-085-33	DIODE SLI-343URCT32WST			
D405	8-719-085-33	DIODE SLI-343URCT32WST			
D406	8-719-085-33	DIODE SLI-343URCT32WST			
D407	8-719-085-33	DIODE SLI-343URCT32WST			
D408	8-719-085-33	DIODE SLI-343URCT32WST			
D893	8-719-059-97	DIODE L-34HD			
		< IC >			
IC891	6-701-681-01	IC RPM7140-V4 (R)			
		< LCD >			
LCD891	1-805-593-11	LIQUID CRYSTAL DISPLAY			
		< RESISTOR >			
R841	1-216-809-11	METAL CHIP	100	5%	1/10W
R843	1-216-809-11	METAL CHIP	100	5%	1/10W
R844	1-216-809-11	METAL CHIP	100	5%	1/10W
R850	1-216-809-11	METAL CHIP	100	5%	1/10W
R851	1-216-813-11	METAL CHIP	220	5%	1/10W
R852	1-216-813-11	METAL CHIP	220	5%	1/10W
R853	1-216-813-11	METAL CHIP	220	5%	1/10W
R854	1-216-813-11	METAL CHIP	220	5%	1/10W
R855	1-216-813-11	METAL CHIP	220	5%	1/10W
R856	1-216-813-11	METAL CHIP	220	5%	1/10W
R857	1-216-813-11	METAL CHIP	220	5%	1/10W
R858	1-216-813-11	METAL CHIP	220	5%	1/10W
R891	1-216-841-11	METAL CHIP	47K	5%	1/10W
R892	1-216-813-11	METAL CHIP	220	5%	1/10W
R893	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R894	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R895	1-216-845-11	METAL CHIP	100K	5%	1/10W
**********					
*	A-4547-439-A	MAIN BOARD, COMPLETE (US,E)			
*	A-4547-441-A	MAIN BOARD, COMPLETE (CND)			
*	A-4547-444-A	MAIN BOARD, COMPLETE (AUS)			
	A-4547-449-A	MAIN BOARD, COMPLETE (SP)			
*	A-4547-452-A	MAIN BOARD, COMPLETE (AEP,UK,CET)			
		**********			
	3-252-827-01	SCREW (B2.6), (+) BV TAPPING			
		< CAPACITOR >			
C121	1-126-960-11	ELECT	1uF	20%	50V
C122	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C123	1-126-961-11	ELECT	2.2uF	20%	50V
C124	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C125	1-126-963-11	ELECT	4.7uF	20%	50V
C126	1-126-961-11	ELECT	2.2uF	20%	50V
C127	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C129	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C130	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C131	1-126-960-11	ELECT	1uF	20%	50V
C132	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C171	1-104-658-91	ELECT	100uF	20%	10V
C172	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C173	1-104-658-91	ELECT	100uF	20%	10V
C174	1-126-926-11	ELECT	1000uF	20%	10V
C175	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C176	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C221	1-126-960-11	ELECT	1uF	20%	50V
C222	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C223	1-126-961-11	ELECT	2.2uF	20%	50V
C224	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C225	1-126-963-11	ELECT	4.7uF	20%	50V
C226	1-126-961-11	ELECT	2.2uF	20%	50V
C227	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C229	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C230	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C231	1-126-960-11	ELECT	1uF	20%	50V
C232	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C271	1-104-657-91	ELECT	100uF	20%	10V
C272	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C273	1-104-657-91	ELECT	100uF	20%	10V
C274	1-126-926-11	ELECT	1000uF	20%	10V
C275	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C276	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C321	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C322	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C323	1-126-959-11	ELECT	0.47uF	20%	50V
C324	1-104-658-91	ELECT	100uF	20%	10V
C325	1-126-923-91	ELECT	220uF	20%	10V
C326	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C327	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C333	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C334	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C336	1-104-657-91	ELECT	100	20%	10V
C337	1-126-960-11	ELECT	1uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C338	1-126-964-11	ELECT	10uF	20%	50V
C339	1-104-658-91	ELECT	100uF	20%	10V
C340	1-104-658-91	ELECT	100uF	20%	10V
C341	1-104-662-91	ELECT	22uF	20%	25V
C342	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C346	1-126-942-11	ELECT	1000uF		25V
C348	1-128-548-11	ELECT	4700uF	20%	25V
C349	1-104-666-11	ELECT	220uF	20%	25V
C350	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C351	1-104-658-91	ELECT	100uF	20%	10V
C352	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C353	1-104-658-91	ELECT	100uF	20%	10V
C354	1-104-658-91	ELECT	100uF	20%	10V
C355	1-104-658-91	ELECT	100uF	20%	10V
C356	1-104-658-91	ELECT	100uF	20%	10V
C357	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C358	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C359	1-104-662-91	ELECT	22uF	20%	25V
C360	1-126-962-11	ELECT	3.3uF	20%	50V
C361	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C366	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C371	1-104-658-91	ELECT	100uF	20%	10V
C801	1-126-960-11	ELECT	1uF	20%	50V
C802	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C803	1-126-923-91	ELECT	220uF	20%	10V
C810	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C812	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C814	1-104-662-91	ELECT	22uF	20%	25V
C816	1-126-923-91	ELECT	220uF	20%	10V
C817	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C818	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C824	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C825	1-162-915-11	CERAMIC CHIP	10P	5%	50V
C826	1-162-915-11	CERAMIC CHIP	10P	5%	50V
C827	1-162-915-11	CERAMIC CHIP	10P	5%	50V
C828	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C829	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C830	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C831	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C832	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C833	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C834	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C835	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C838	1-126-959-11	ELECT	0.47uF	20%	50V
C839	1-126-959-11	ELECT	0.47uF	20%	50V
C844	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,CET)
C845	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,CET)
C846	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C951	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C953	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C954	1-126-923-91	ELECT	220uF	20%	10V
C955	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C957	1-126-923-91	ELECT	220uF	20%	10V
C958	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C959	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C960	1-126-923-91	ELECT	220uF	20%	10V
C961	1-126-923-91	ELECT	220uF	20%	10V
C972	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
* CNP301	1-815-553-11	PIN, CONNECTOR (PWB) 5P			
CNP303	1-815-554-11	PIN, CONNECTOR (PWB) 6P			
CNP801	1-784-749-11	CONNECTOR, FFC 27P			
CNP802	1-784-775-11	CONNECTOR, FFC 14P			
CNP804	1-815-443-21	PIN, CONNECTOR (PWB) 2P			
CNP805	1-770-519-31	CONNECTOR, FFC/FPC 11P(US,CND,E,SP,AUS)			
CNP805	1-784-735-11	CONNECTOR, FFC 13P (AEP,UK,CET)			
CNP806	1-815-443-11	PIN, CONNECTOR (PWB) 2P			
		< DIODE >			
D320	8-719-988-61	DIODE 1SS355TE-17			
D321	8-719-988-61	DIODE 1SS355TE-17			
D322	8-719-988-61	DIODE 1SS355TE-17			
D323	8-719-988-61	DIODE 1SS355TE-17			
D324	8-719-988-61	DIODE 1SS355TE-17			
D325	8-719-988-61	DIODE 1SS355TE-17			
D326	8-719-988-61	DIODE 1SS355TE-17			
D351	8-719-988-61	DIODE 1SS355TE-17			
D352	8-719-988-61	DIODE 1SS355TE-17			
D806	8-719-988-61	DIODE 1SS355TE-17			
D807	8-719-988-61	DIODE 1SS355TE-17			
D808	8-719-069-55	DIODE UDZSTE-175.6B			
D951	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT US, E)			
D952	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT US, E)			
D953	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT US, E)			
D954	8-719-069-61	DIODE UDZSTE-1710B			
D955	8-719-069-57	DIODE UDZSTE-176.8B			
D956	8-719-083-58	DIODE UDZSTE-173.9B			
D957	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT US, E)			
		< IC >			
IC321	6-701-824-11	IC BD3870FS-E2			
IC801	6-803-965-01	IC uPD789478GC-A24-8BT			
IC802	6-703-285-01	IC S-812C33AUA-C2NT2G			
IC803	6-700-336-01	IC CAT24WC02JI-1.8-TE13			
IC805	6-705-413-01	IC BD4826G-TR			
		< COIL >			
L802	1-410-334-31	INDUCTOR	100uH		
		< TRANSISTOR >			
Q171	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R		
Q271	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R		
Q321	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R		
Q322	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R		
Q323	8-729-028-99	TRANSISTOR	DTC114YUA-T106		
Q351	8-729-036-89	TRANSISTOR	KTC3198GR-AT		
Q352	8-729-028-90	TRANSISTOR	DTA143Z		
Q354	8-729-036-86	TRANSISTOR	KTC3203Y-AT		
Q809	8-729-028-76	TRANSISTOR	DTA114YUA-T106		
Q810	8-729-037-03	TRANSISTOR	KTA1266GR-AT		
Q951	8-729-029-04	TRANSISTOR	DTC123JUA-T106 (EXCEPT US, E)		

MAIN

Ref. No.	Part No.	Description			Remark
Q952	8-729-037-03	TRANSISTOR	KTA1266GR-AT		
Q953	8-729-029-09	TRANSISTOR	DTC143EUA-T106		
Q954	8-729-036-89	TRANSISTOR	KTC3198GR-AT		
Q955	8-729-028-76	TRANSISTOR	DTA114YUA-T106		
Q956	8-729-036-86	TRANSISTOR	KTC3203Y-AT		
		< RESISTOR >			
R123	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R125	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R126	1-216-864-11	METAL CHIP	0	5%	1/10W
R127	1-216-833-11	METAL CHIP	10K	5%	1/10W
R134	1-216-853-11	METAL CHIP	470K	5%	1/10W
R172	1-216-837-11	METAL CHIP	22K	5%	1/10W
R173	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R175	1-216-813-11	METAL CHIP	220	5%	1/10W
R176	1-216-809-11	METAL CHIP	100	5%	1/10W
R178	1-216-833-11	METAL CHIP	10K	5%	1/10W
R181	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R223	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R225	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R226	1-216-864-11	METAL CHIP	0	5%	1/10W
R227	1-216-833-11	METAL CHIP	10K	5%	1/10W
R234	1-216-853-11	METAL CHIP	470K	5%	1/10W
R272	1-216-837-11	METAL CHIP	22K	5%	1/10W
R273	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R275	1-216-813-11	METAL CHIP	220	5%	1/10W
R276	1-216-809-11	METAL CHIP	100	5%	1/10W
R278	1-216-833-11	METAL CHIP	10K	5%	1/10W
R279	1-216-864-11	SHORT CHIP	0		
R281	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R307	1-216-864-11	SHORT CHIP	0 (US,E)		
R325	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R326	1-216-821-11	METAL CHIP	1K	5%	1/10W
R328	1-216-821-11	METAL CHIP	1K	5%	1/10W
R329	1-216-825-91	METAL CHIP	2.2K	5%	1/10W
R330	1-216-817-11	METAL CHIP	470	5%	1/10W
R331	1-216-837-11	METAL CHIP	22K	5%	1/10W
R332	1-216-853-11	METAL CHIP	470K	5%	1/10W
R333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R334	1-216-817-11	METAL CHIP	470	5%	1/10W
R335	1-216-837-11	METAL CHIP	22K	5%	1/10W
R336	1-216-833-11	METAL CHIP	10K	5%	1/10W
R337	1-216-837-11	METAL CHIP	22K	5%	1/10W
R338	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R339	1-216-821-11	METAL CHIP	1K	5%	1/10W
R340	1-216-821-11	METAL CHIP	1K	5%	1/10W
R341	1-216-821-11	METAL CHIP	1K	5%	1/10W
R343	1-216-821-11	METAL CHIP	1K	5%	1/10W
R344	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R348	1-216-821-11	METAL CHIP	1K	5%	1/10W
R351	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R353	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R356	1-216-821-11	METAL CHIP	1K	5%	1/10W
R357	1-216-817-11	METAL CHIP	470	5%	1/10W
R359	1-216-797-11	METAL CHIP	10	5%	1/10W
R360	1-216-797-11	METAL CHIP	10	5%	1/10W
R361	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R362	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R364	1-216-857-11	METAL CHIP	1M	5%	1/10W
R365	1-216-857-11	METAL CHIP	1M	5%	1/10W
R366	1-216-833-11	METAL CHIP	10K	5%	1/10W
R371	1-216-833-11	METAL CHIP	10K	5%	1/10W
R801	1-216-864-11	SHORT CHIP	0		
R802	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R803	1-216-817-11	METAL CHIP	470	5%	1/10W (SP)
R803	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, CET, AUS)
R803	1-216-864-11	SHORT CHIP	0 (US,CND,E)		
R804	1-216-813-11	METAL CHIP	220	5%	1/10W (SP)
R804	1-216-837-11	METAL CHIP	22K	5%	1/10W (AEP,UK,CET)
R804	1-216-864-11	SHORT CHIP	0 (US,CND, E, AUS)		
R805	1-216-864-11	SHORT CHIP	0		
R806	1-216-864-11	SHORT CHIP	0		
R807	1-216-864-11	SHORT CHIP	0		
R808	1-216-864-11	SHORT CHIP	0		
R809	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R810	1-216-864-11	SHORT CHIP	0		
R812	1-216-864-11	SHORT CHIP	0		
R813	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R814	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R815	1-216-821-11	METAL CHIP	1K	5%	1/10W
R816	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R817	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R818	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R819	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R820	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R821	1-216-821-11	METAL CHIP	1K	5%	1/10W
R822	1-216-821-11	METAL CHIP	1K	5%	1/10W
R823	1-216-821-11	METAL CHIP	1K	5%	1/10W
R824	1-216-821-11	METAL CHIP	1K	5%	1/10W
R825	1-216-821-11	METAL CHIP	1K	5%	1/10W
R826	1-216-821-11	METAL CHIP	1K	5%	1/10W
R827	1-216-821-11	METAL CHIP	1K	5%	1/10W
R828	1-216-841-11	METAL CHIP	47K	5%	1/10W
R829	1-216-821-11	METAL CHIP	1K	5%	1/10W
R831	1-216-864-11	SHORT CHIP	0		
R832	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R833	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (SP,AUS)
R833	1-216-864-11	SHORT CHIP	0 (EXCEPT SP,AUS)		
R835	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R836	1-216-841-11	METAL CHIP	47K	5%	1/10W
R837	1-216-841-11	METAL CHIP	47K	5%	1/10W
R838	1-216-864-11	SHORT CHIP	0		
R839	1-216-841-11	METAL CHIP	47K	5%	1/10W
R840	1-216-841-11	METAL CHIP	47K	5%	1/10W
R842	1-216-841-11	METAL CHIP	47K	5%	1/10W
R845	1-216-864-11	SHORT CHIP	0		
R846	1-216-821-11	METAL CHIP	1K	5%	1/10W
R849	1-216-864-11	SHORT CHIP	0		
R859	1-216-864-11	SHORT CHIP	0		
R860	1-216-841-11	METAL CHIP	47K	5%	1/10W
R861	1-216-864-11	SHORT CHIP	0 (AEP,UK,CET)		
R862	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R863	1-216-864-11	SHORT CHIP	0 (AEP,UK,CET)		
R864	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R865	1-216-821-11	METAL CHIP	1K	5%	1/10W
R866	1-216-821-11	METAL CHIP	1K	5%	1/10W
R867	1-216-864-11	SHORT CHIP	0		
R868	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R869	1-216-837-11	METAL CHIP	22K	5%	1/10W
R870	1-216-864-11	SHORT CHIP	0		
R871	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R872	1-216-797-11	METAL CHIP	10	5%	1/10W (US,CND,E)
R872	1-216-864-11	SHORT CHIP	0 (EXCEPT US,CND,E)		
R873	1-216-853-11	METAL CHIP	470K	5%	1/10W
R874	1-216-821-11	METAL CHIP	1K	5%	1/10W
R875	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R876	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R877	1-216-864-11	SHORT CHIP	0		
R878	1-216-809-11	METAL CHIP	100	5%	1/10W
R879	1-216-809-11	METAL CHIP	100	5%	1/10W
R880	1-216-864-11	SHORT CHIP	0		
R881	1-216-821-11	METAL CHIP	1K	5%	1/10W
R882	1-216-833-11	METAL CHIP	10K	5%	1/10W
R883	1-216-833-11	METAL CHIP	10K	5%	1/10W
R885	1-216-841-11	METAL CHIP	47K	5%	1/10W
R886	1-216-821-11	METAL CHIP	1K	5%	1/10W
R887	1-216-821-11	METAL CHIP	1K	5%	1/10W
R888	1-216-864-11	SHORT CHIP	0		
R889	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R890	1-216-864-11	SHORT CHIP	0		
R896	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R898	1-216-853-11	METAL CHIP	470K	5%	1/10W
R899	1-216-841-11	METAL CHIP	47K	5%	1/10W
R941	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R942	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R943	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R944	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R945	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R946	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R947	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R948	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R949	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R950	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R951	1-216-845-11	METAL CHIP	100K	5%	1/10W
R952	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R953	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R955	1-216-809-11	METAL CHIP	100	5%	1/10W
R957	1-216-809-11	METAL CHIP	100	5%	1/10W
R958	1-216-821-11	METAL CHIP	1K	5%	1/10W
R960	1-216-809-11	METAL CHIP	100	5%	1/10W
R961	1-216-821-11	METAL CHIP	1K	5%	1/10W (EXCEPT US,E)
R964	1-216-809-11	METAL CHIP	100	5%	1/10W
R965	1-216-817-11	METAL CHIP	470	5%	1/10W
R8001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8002	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8004	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8005	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8006	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8007	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8008	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8009	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8011	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8012	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8013	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8014	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8015	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8016	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8017	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8018	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8019	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8020	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8021	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8022	1-216-833-11	METAL CHIP	10K	5%	1/10W

< VIBRATOR >

X801	1-795-054-21	VIBRATOR, CERAMIC 4.19MHz			
X802	1-795-915-11	VIBRATOR, CRYSTAL 32.768KHz			

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*	1-860-920-11	POWER BOARD			
		**********			

< CAPACITOR

C901	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V (AEP,UK,SP,AUS,CET)
C901	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V (US,CND,E)
C902	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V (AEP,UK,SP,AUS,CET)
C902	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V (US,CND,E)
C903	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V (AEP,UK,SP,AUS,CET)
C903	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V (US,CND,E)
C904	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V (AEP,UK,SP,AUS,CET)
C904	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V (US,CND,E)
C909	1-126-943-11	ELECT	2200uF	20%	25V

< JACK >

⚠CNJ901	1-526-818-11	INLET, AC (E)	
⚠CNJ901	1-526-838-11	INLET, AC 2P (AEP,UK,SP,AUS,CET)	
⚠CNJ901	1-540-009-11	INLET, AC (US,CND)	

< CONNECTOR >

* CNP902	1-815-552-11	PIN, CONNECTOR (PWB) 4P	

< DIODE >

D901	8-719-046-47	DIODE	1N5401TM
D902	8-719-046-47	DIODE	1N5401TM

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

POWER TC TRANS

Ref. No.	Part No.	Description			Remark
D903	8-719-046-47	DIODE 1N5401TM			
D904	8-719-046-47	DIODE 1N5401TM			
**********					
*	A-3683-864-A	TC BOARD, COMPLETE (AEP,UK,CET)			
*	A-4547-315-A	TC BOARD, COMPLETE (US,CND,E,SP,AUS)			
		**********			
		< CAPACITOR >			
C101	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C102	1-104-658-91	ELECT	100uF	20%	10V
C103	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C104	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C105	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C107	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C201	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C202	1-104-658-91	ELECT	100uF	20%	10V
C203	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C204	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C205	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C207	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C301	1-104-658-91	ELECT	100uF	20%	10V
C302	1-104-658-91	ELECT	100uF	20%	10V
C303	1-104-658-91	ELECT	100uF	20%	10V
C304	1-126-947-11	ELECT	47uF	20%	35V
C305	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C306	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C307	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C308	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,CET)
C310	1-164-230-11	CERAMIC CHIP	220PF	5%	50V (AEP,UK,CET)
		< CONNECTOR >			
CNP301	1-568-830-11	CONNECTOR, FFC 11P (US,CND,E,SP,AUS)			
CNP301	1-784-774-11	CONNECTOR, FFC 13P (AEP,UK,CET)			
		< IC >			
IC301	8-759-264-71	IC TA2068N			
		< SHORT >			
JC301	1-216-864-11	SHORT CHIP	0		
JC302	1-216-864-11	SHORT CHIP	0		
JC303	1-216-864-11	SHORT CHIP	0		
JC304	1-216-864-11	SHORT CHIP	0		
JC305	1-216-864-11	SHORT CHIP	0		
JC306	1-216-295-91	SHORT CHIP	0		
JC307	1-216-864-11	SHORT CHIP	0		
JC308	1-216-295-91	SHORT CHIP	0		
JC309	1-216-864-11	SHORT CHIP	0 (AEP,UK,CET)		
		< TRANSISTOR >			
Q301	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R		
Q302	8-729-907-00	TRANSISTOR	DTC114EU (AEP,UK,CET)		
Q303	8-729-907-00	TRANSISTOR	DTC114EU (AEP,UK,CET)		
		< RESISTOR >			
R101	1-216-835-11	METAL CHIP	15K	5%	1/10W
R102	1-216-807-11	METAL CHIP	68	5%	1/10W
R103	1-216-843-11	METAL CHIP	68K	5%	1/10W
R104	1-216-835-11	METAL CHIP	15K	5%	1/10W
R105	1-216-835-11	METAL CHIP	15K	5%	1/10W
R106	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R111	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R112	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R201	1-216-835-11	METAL CHIP	15K	5%	1/10W
R202	1-216-807-11	METAL CHIP	68	5%	1/10W
R203	1-216-843-11	METAL CHIP	68K	5%	1/10W
R204	1-216-835-11	METAL CHIP	15K	5%	1/10W
R205	1-216-835-11	METAL CHIP	15K	5%	1/10W
R206	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R210	1-216-025-11	RES-CHIP	100	5%	1/10W
R211	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R212	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R301	1-216-857-11	METAL CHIP	1M	5%	1/10W
R302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R303	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R305	1-216-817-11	METAL CHIP	470	5%	1/10W
R306	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R307	1-216-797-11	METAL CHIP	10	5%	1/10W
R308	1-216-837-11	METAL CHIP	22K	5%	1/10W
R309	1-216-805-11	METAL CHIP	47	5%	1/10W
R310	1-216-857-11	METAL CHIP	1M	5%	1/10W (AEP,UK,CET)
R311	1-216-857-11	METAL CHIP	1M	5%	1/10W (AEP,UK,CET)
R314	1-216-817-11	METAL CHIP	470	5%	1/10W
R315	1-216-817-11	METAL CHIP	470	5%	1/10W
		< SWITCH >			
S301	1-786-126-11	SWITCH, SLIDE (REC/PB)			
		< TRANSFORMER >			
T301	1-416-041-11	TRANSFORMER, BIAS OSCILLATION			
**********					
*	1-860-921-11	TRANS BOARD			
		**********			
	1-533-233-31	FUSE HOLDER			
		< FUSE >			
⚠F902	1-533-471-12	FUSE, GLASS TUBE (DIA. 5) T4A/250V			
		< TRANSFORMER >			
⚠T901	1-435-964-11	TRANSFORMER, POWER (US,CND,E)			
⚠T901	1-435-965-11	TRANSFORMER, POWER (AEP,UK,SP,AUS,CET)			
**********					

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TUNER

Ref. No.	Part No.	Description			Remark
*	A-4547-438-A	TUNER BOARD, COMPLETE (US,CND,E)			
*	A-4547-448-A	TUNER BOARD, COMPLETE (SP,AUS)			
*	A-4547-451-A	TUNER BOARD, COMPLETE (AEP,UK,CET)			
		**********			
	3-264-916-01	TERMINAL ANTENNA			
		< CAPACITOR >			
C1	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C2	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,CET)
C3	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,CET)
C4	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C5	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,CET)
C6	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,CET)
C7	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C8	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C9	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C10	1-126-960-11	ELECT	1uF	20%	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-126-963-11	ELECT	4.7uF	20%	50V
C13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (US,CND,E)
C14	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,SP,AUS,CET)
C14	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (US,CND,E)
C15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,SP,AUS,CET)
C15	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (US,CND,E)
C18	1-126-923-91	ELECT	220uF	20%	10V
C20	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C21	1-126-960-11	ELECT	1uF	20%	50V
C22	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C23	1-126-960-11	ELECT	1uF	20%	50V
C24	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C25	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (AEP,UK,CET)
C26	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US,CND,E,SP,AUS)
C27	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US,CND,E,SP,AUS)
C29	1-104-658-91	ELECT	100uF	20%	10V
C30	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C31	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C32	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C33	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C34	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C35	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C37	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C40	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V (AEP,UK,CET)
C41	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C42	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C43	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US,CND,E,SP,AUS)
C43	1-162-923-11	CERAMIC CHIP	47PF	5%	50V (AEP,UK,CET)
C44	1-164-230-11	CERAMIC CHIP	220PF	5%	50V (AEP,UK,CET)
C45	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,CET)
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP,UK,CET)
C47	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V (US,CND,E,SP,AUS)
C48	1-162-923-11	CERAMIC CHIP	47PF	5%	50V (AEP,UK,CET)
C49	1-161-051-00	CERAMIC	0.01uF	10%	25V (US,CND,E,SP,AUS)
C49	1-161-772-11	CERAMIC	0.1uF	10%	25V (AEP,UK,CET)
C51	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C52	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C53	1-137-190-91	FILM	0.22uF	5%	50V (US,CND,E,SP,AUS)
C53	1-137-194-81	FILM	0.47uF	5%	50V (AEP,UK,CET)
C54	1-126-923-91	ELECT	220uF	20%	10V
C55	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C56	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C57	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C58	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,CET)
C59	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US,CND,E,SP,AUS)
C59	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP,UK,CET)
C60	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C61	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C62	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C63	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C64	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,CET)
C65	1-126-963-11	ELECT	4.7uF	20%	50V (US,CND,E,SP,AUS)
C66	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C68	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C70	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V (AEP,UK,CET)
C71	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP,UK,CET)
C72	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (AEP,UK,CET)
C73	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (AEP,UK,CET)
C77	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (AEP,UK,SP,AUS,CET)
C78	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (AEP,UK,SP,AUS,CET)
C80	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C93	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK,CET)
C95	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< FILTER >			
CF2	1-795-426-11	FILTER, CERAMIC (AEP,UK,CET)			

TUNER

Ref. No.	Part No.	Description	Remark
CF2	1-760-235-81	FILTER, CERAMIC (US,CND,E,SP,AUS)	
CF4	1-781-962-21	FILTER, CERAMIC	
		< CONNECTOR >	
* CNP1	1-785-663-11	PIN, CONNECTOR (PC BOARD) 11P	
		< TRIMMER >	
CT1	1-141-442-91	CAP, CERAMIC TRIMMER 20PF	
CT3	1-141-304-21	CAP, CERAMIC TRIMMER 10PF	
CT5	1-141-459-11	CAP, TRIMMER (SEAL TYPE) 45PF	(AEP,UK,CET)
		< DIODE >	
D1	8-719-078-48	DIODE KV1471ETR1-3	
D2	8-719-078-48	DIODE KV1471ETR1-3	
D3	8-719-050-69	DIODE KV1520N	
D10	8-719-988-61	DIODE 1SS355TE-17	
D11	8-719-988-61	DIODE 1SS355TE-17	
		< IC >	
IC1	6-700-512-01	IC TA2149BN	
IC2	8-759-483-40	IC LC72137M-TLM-E	
		< SHORT >	
JC1	1-216-864-11	SHORT CHIP 0	
JC2	1-216-864-11	SHORT CHIP 0	
JC3	1-216-864-11	SHORT CHIP 0	
JC4	1-216-864-11	SHORT CHIP 0	
JC5	1-216-864-11	SHORT CHIP 0	
JC6	1-216-864-11	SHORT CHIP 0	
JC11	1-216-864-11	SHORT CHIP 0 (US,CND,E,SP,AUS)	
JC12	1-216-864-11	SHORT CHIP 0 (US,CND,E,SP,AUS)	
JC13	1-216-864-11	SHORT CHIP 0 (US,CND,E,SP,AUS)	
JC22	1-216-864-11	SHORT CHIP 0 (AEP,UK,CET)	
JC23	1-216-864-11	SHORT CHIP 0 (AEP,UK,CET)	
JC24	1-216-864-11	SHORT CHIP 0 (AEP,UK,SP,AUS,CET)	
JC33	1-216-864-11	SHORT CHIP 0	
JC34	1-216-864-11	SHORT CHIP 0	
		< COIL >	
L1	1-409-775-11	COIL, AIR-CORE	
L2	1-416-509-11	COIL, AIR-CORE	
L3	1-754-116-12	ANTENNA, FERRITE-ROD (LW MW)	(AEP,UK,CET)
L3	1-754-117-12	ANTENNA, FERRITE-ROD (MW)	(US,CND,E,SP,AUS)
L4	1-411-199-31	COIL, MW/LW OSC (AEP,UK,CET)	
L4	1-411-234-21	COIL, AM OSC (US,CND,E,SP,AUS)	
L11	1-414-142-11	INDUCTOR 1uH (US,CND,E)	
L21	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q12	8-729-028-99	TRANSISTOR DTC114YUA-T106	(AEP,UK,CET)
Q14	8-729-905-35	TRANSISTOR 2SC4081-R (AEP,UK,CET)	
Q41	8-729-920-31	TRANSISTOR DTC343TK (AEP,UK,CET)	
Q42	8-729-054-77	TRANSISTOR 2SC4098-T106-PQ	(AEP,UK,CET)
Q43	8-729-920-38	TRANSISTOR 2SC2059K-N (AEP,UK,CET)	
Q44	8-729-054-77	TRANSISTOR 2SC4098-T106-PQ	(AEP,UK,CET)
Q61	8-729-106-07	TRANSISTOR 2SK514-H (AEP,UK,CET)	
		< RESISTOR >	
R1	1-216-815-11	METAL CHIP 330 5% 1/10W	(US,CND,E,SP,AUS)
R1	1-216-817-11	METAL CHIP 470 5% 1/10W	(AEP,UK,CET)
R2	1-216-817-11	METAL CHIP 470 5% 1/10W	
R3	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R4	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R7	1-216-853-11	METAL CHIP 470K 5% 1/10W	(AEP,UK,CET)
R9	1-216-845-11	METAL CHIP 100K 5% 1/10W	(AEP,UK,CET)
R10	1-216-805-11	METAL CHIP 47 5% 1/10W	
R11	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R12	1-216-841-11	METAL CHIP 47K 5% 1/10W	(AEP,UK,CET)
R13	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R16	1-216-833-11	METAL CHIP 10K 5% 1/10W	(AEP,UK,CET)
R17	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(AEP,UK,CET)
R18	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	(AEP,UK,CET)
R19	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(AEP,UK,CET)
R22	1-216-833-11	METAL CHIP 10K 5% 1/10W	(AEP,UK,CET)
R24	1-216-813-11	METAL CHIP 220 5% 1/10W	
R30	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R31	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R32	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R40	1-216-849-11	METAL CHIP 220K 5% 1/10W	(US,CND,E,SP,AUS)
R40	1-216-853-11	METAL CHIP 470K 5% 1/10W	(AEP,UK,CET)
R41	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R42	1-216-845-11	METAL CHIP 100K 5% 1/10W	(AEP,UK,CET)
R43	1-216-833-11	METAL CHIP 10K 5% 1/10W	(AEP,UK,CET)
R50	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R51	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R52	1-216-809-11	METAL CHIP 100 5% 1/10W	(AEP,UK,CET)
R52	1-216-864-11	SHORT CHIP 0 (US,CND,E,SP,AUS)	
R53	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	(AEP,UK,CET)
R53	1-216-835-11	METAL CHIP 15K 5% 1/10W	(US,CND,E,SP,AUS)
R54	1-216-817-11	METAL CHIP 470 5% 1/10W	
R56	1-216-815-11	METAL CHIP 330 5% 1/10W	
R58	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R59	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R60	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	

TUNER

Ref. No.	Part No.	Description			Remark
R61	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R63	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AEP,UK,CET)
R63	1-216-833-11	METAL CHIP	10K	5%	1/10W (US,CND,E,SP,AUS)
R64	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP,UK,CET)
R65	1-216-833-11	METAL CHIP	10K	5%	1/10W (US,CND,E,SP,AUS)
R66	1-216-805-11	METAL CHIP	47	5%	1/10W (AEP,UK,CET)
R91	1-216-813-11	METAL CHIP	220	5%	1/10W
R92	1-216-813-11	METAL CHIP	220	5%	1/10W
R93	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP,UK,CET)
R94	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< TRANSFORMER >			
T1	1-433-741-11	TRANSFORMER, IF			
T2	1-419-465-11	COIL (DET)			
		< VIBRATOR >			
X1	1-795-449-11	VIBRATOR, CRYSTAL 75KHz			
**********					
		MISCELLANEOUS			
		**********			
57	1-829-060-11	CABLE, FLEXIBLE FLAT (27 CORE)			
111	1-533-233-31	FUSE HOLDER			
164	1-452-899-11	MAGNET			
210	1-757-689-11	CABLE, FLEXIBLE FLAT (16 CORE)			
212	1-829-059-11	CABLE, FLEXIBLE FLAT (14 CORE)			
215	1-829-057-11	CABLE, FLEXIBLE FLAT (11 CORE)(G500)			
215	1-829-058-11	CABLE, FLEXIBLE FLAT (13 CORE)(G500L)			
⚠901	1-435-965-11	TRANSFORMER, POWER (AEP, UK, SP, AUS, CET)			
⚠F902	1-533-471-12	FUSE, GLASS TUBE (D1A.5) T4A/250V			
S801	1-692-960-11	SWITCH, PUSH (1 KEY) ((⏏) PUSH OPEN/CLOSE)			
SP191	1-544-790-11	SPEAKER (10cm)			
SP291	1-544-790-11	SPEAKER (10cm)			
SP393	1-825-767-11	SPEAKER (10cm)(WOOFER)			
⚠T901	1-435-964-11	TRANSFORMER, POWER (US, CND, E)			
⚠305	8-820-161-02	OPTICAL PICK-UP (KSS-213R/C2RP)			
⚠501	8-848-482-12	OPTICAL PICK-UP (KSS-213C/C2RP1)			
**********					

Ref. No.	Part No.	Description	Remark
		ACCESSORIES	
		**********	
	A-1055-238-A	REMOTE COMMANDER (RMT-CG500AD)	(G500L)
	3-267-151-01	LID BATTERY (for RMT-CG500AD) (G500L)	
⚠	1-590-342-11	CORD, POWER (E)	
⚠	1-696-819-11	CORD, POWER (AUS)	
⚠	1-769-412-22	CORD, POWER (SP, CET, AEP, UK)	
⚠	1-783-878-13	CORD, POWER (US,CND)	
⚠	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
	3-265-619-11	INSTRUCTION MANUAL (ENGLISH)(US,CND,E)	
	3-265-619-21	INSTRUCTION MANUAL (SPANISH)(E)	
	3-265-619-31	INSTRUCTION MANUAL (FRENCH)(CND)	
	3-265-619-41	INSTRUCTION MANUAL (ENGLISH)	(SP,AUS,AEP,UK)
	3-265-619-51	INSTRUCTION MANUAL (SPANISH)(SP,AEP)	
	3-265-619-61	INSTRUCTION MANUAL (FRENCH)(AEP)	
	3-265-619-71	INSTRUCTION MANUAL (GERMAN)(AEP)	
	3-265-619-81	INSTRUCTION MANUAL (DUTCH)(AEP)	
	3-265-619-91	INSTRUCTION MANUAL (PORTUGUESE)(AEP)	
	3-265-620-11	INSTRUCTION MANUAL (SWEDISH)(CET)	
	3-265-620-21	INSTRUCTION MANUAL (FINNISH)(CET)	
	3-265-620-31	INSTRUCTION MANUAL (POLISH)(CET)	
	3-265-620-41	INSTRUCTION MANUAL (CZECH)(CET)	
	3-265-620-51	INSTRUCTION MANUAL (HUNGARIAN)(CET)	
	3-265-620-61	INSTRUCTION MANUAL (SLOVAK)(CET)	
	3-265-620-71	INSTRUCTION MANUAL (RUSSIAN)(CET)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MEMO

CFD-G500/G500L

SONY

SERVICE MANUAL

Ver. 1.1 2004. 11

US Model
Canadian Model
E Model
Australian Model
CFD-G500
AEP Model
CFD-G500/G500L
UK Model
CFD-G500L

SUPPLEMENT-1

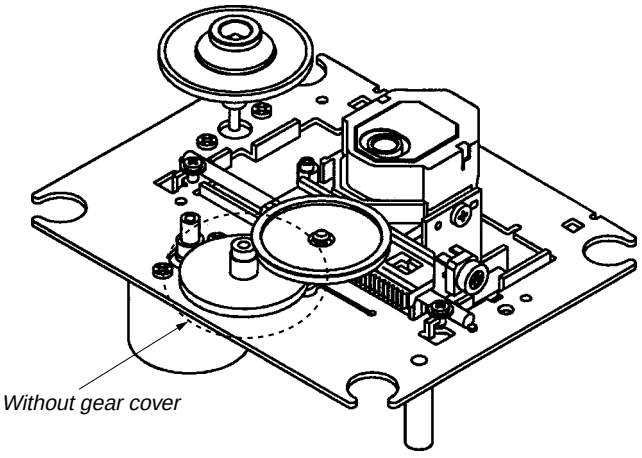
File this supplement with the service manual.

Subject: Change of Optical Pick-up Block (KSM-213RDP→KSM-213CDP)

Optical pick-up block is changed from KSM-213RDP to KSM-213CDP in the midway of production.
In performing the replacing of Optical pick-up block, be sure to check which Optical pick-up block is used, according to the following identification.
SUPPLEMENT-1 has indicated only the information of KSM-213CDP.

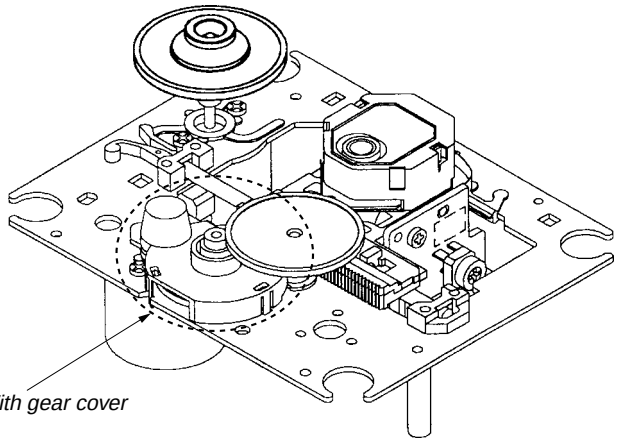
IDENTIFICATION

KSM-213RDP



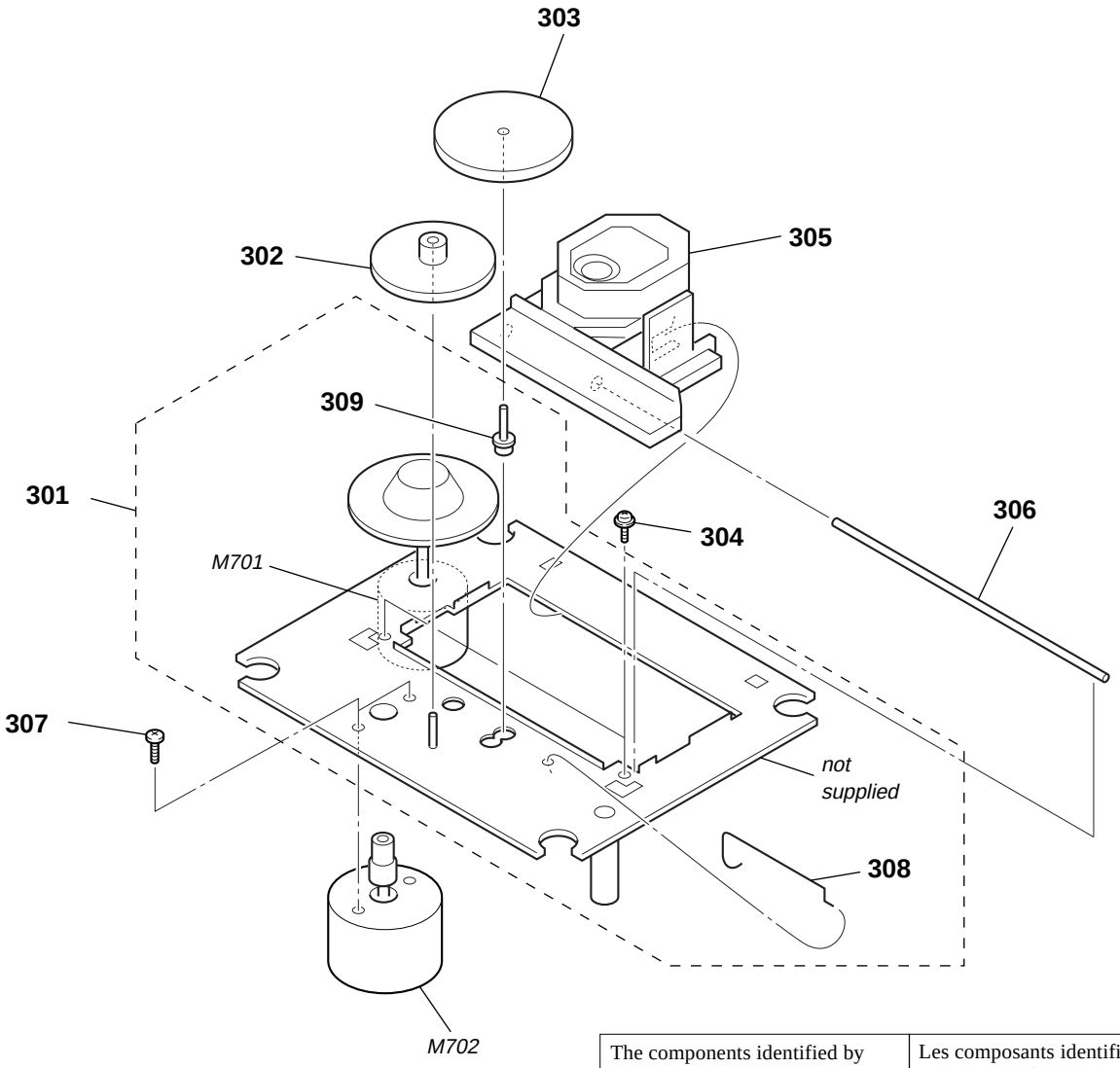
Without gear cover

KSM-213CDP



With gear cover

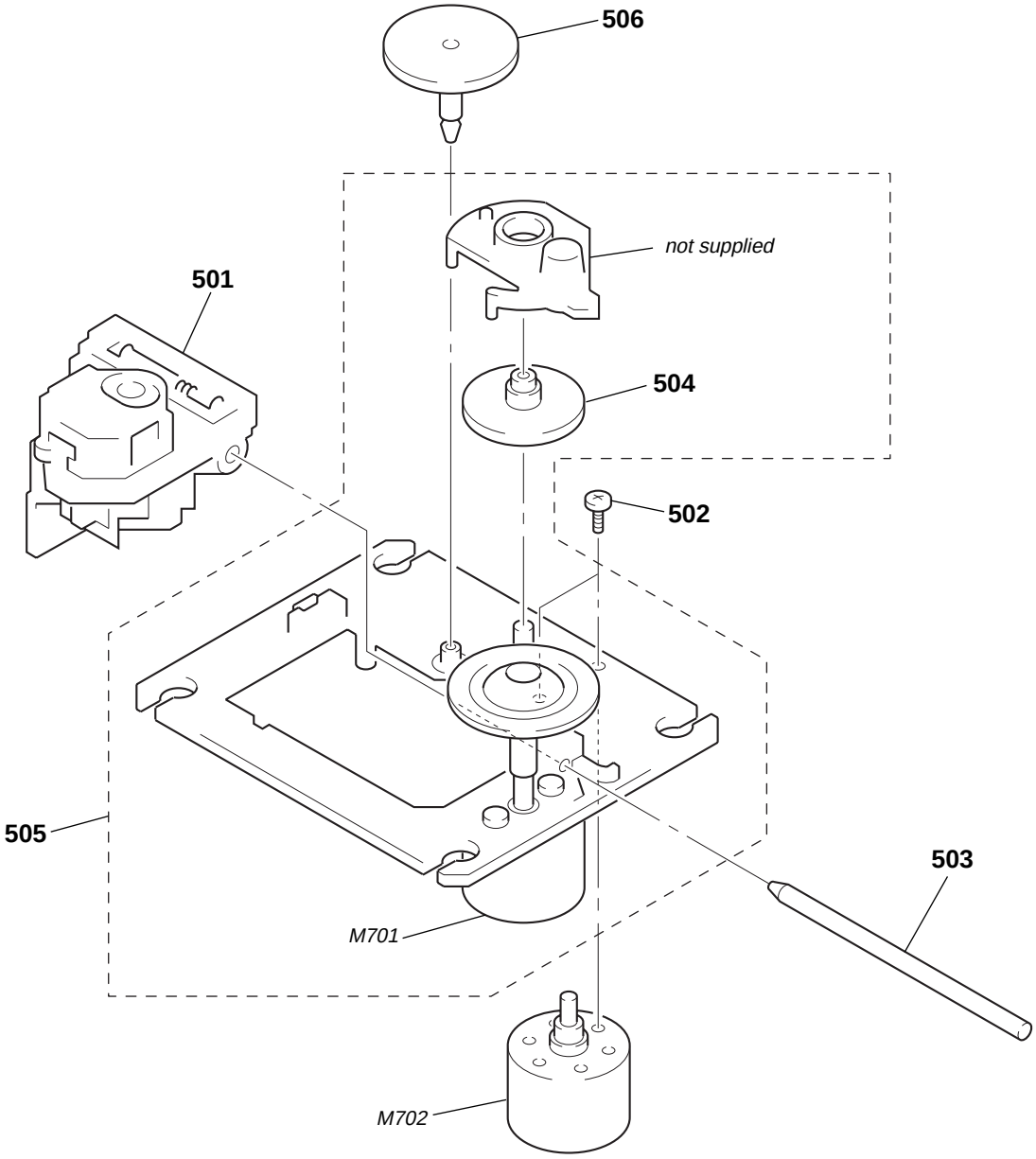
OPTICAL PICK-UP SECTION (KSM–213RDP)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
301	X-2162-707-2	CHASSIS ASSY (RDP) (RP), MOTOR (including M701 (SPINDLE))	
* 302	2-647-408-02	GEAR (B)	
* 303	2-169-065-01	GEAR (A)	
304	2-169-388-01	TAPPING (M2), +PWB	
⚠305	8-820-161-02	OPTICAL PICK-UP (KSS-213R/C2RP)	
306	2-626-908-01	SHAFT, SLED	
307	2-174-500-01	SCREW (M2X3)	
* 308	2-169-385-01	SPRING, SLED	
* 309	2-169-384-01	SHAFT (S), GEAR	
M702	X-2162-712-2	GEAR ASSY (R) (RP), MOTOR (SLED) (including GEAR)	

OPTICAL PICK-UP SECTION (KSM-213CDP)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
⚠501	8-848-483-12	OPTICAL PICK-UP (KSS-213C/C2RP1)	
502	2-174-500-01	SCREW (2X3)	
503	2-626-908-01	SHAFT, SLED	
504	2-627-003-01	GEAR (B) (RP)	
505	X-2162-709-2	CHASSIS ASSY (CDP), MOTOR (including M701 (SPINDLE))	
506	2-626-907-11	GEAR (A)	
M702	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED) (including GEAR)	

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2004.04	New
1.1	2004.11	SUPPLIMENT-1: Addition of Optical Pick-up Section Change of Optical Pick-up Block (KSM-213RDP ⟶ KSM-213CDP) (SPM-04041) Change of Part No. of Optical Pick-up (KSS-213R) (SPM-04143)